

1962

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1970

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UNITED STATES DEPARTMENT OF THE INTERIOR

CECIL D. ANDRUS, *Secretary*

GEOLOGICAL SURVEY

H. William Menard, *Director*

First printing 1972
Second printing 1980

For sale by the Branch of Distribution, U.S. Geological Survey,
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BOOKS

PROFESSIONAL PAPERS

[In the present listing, an asterisk (*) indicates that the paper is out of print. In "Publications of the Geological Survey, 1879-1961," all professional papers are out of print except 282-E, 373, and 424-D]

- *236-C. Foraminifera from the Arctic Slope of Alaska—Part 3, Cretaceous Foraminifera, by Helen Tappan. 1962. p. 91-203. (Professional Paper 236 issued only as separate chapters under the general title "Foraminifera from the Arctic Slope of Alaska.")
- 240. Foraminifera of the Lodo Formation, central California. Title page and contents for volume (issued only as separate chapters) free on application to the Geological Survey.
- *257-B. Lake Bonneville: Geology of Southern Utah Valley, Utah, by H. J. Bissell. 1963. p. 101-130.
- *257-C. Lake Bonneville: Geology of southern Cache Valley, Utah, by J. S. Williams. 1962. p. 131-152. (Professional Paper 257 issued only as separate chapters under the general title "Lake Bonneville.")
- *260-Z. Fossil algae from Eniwetok, Funafuti and Kita-Daito-Jima, by J. H. Johnson. 1961 [1962]. p. 907-950.
- *260-AA. Some physical constants for the Marshall Islands area, by J. H. Swartz. 1962. p. 953-989.
- *260-BB. Subsurface geology of Eniwetok Atoll, by S. O. Schlanger, *with sections on* Carbonate mineralogy, by D. L. Graf and J. R. Goldsmith; Petrography of the basalt beneath the limestones, by G. A. Macdonald; Dating of carbonate rocks by ionium-uranium ratios, by W. M. Sackett and H. A. Potratz. 1963. p. 991-1066.
- *260-CC-HH. Bikini and nearby atolls, Marshall Islands. 1964. p. 1067-1131.
 - CC. Planktonic Foraminifera from deep-sea cores off Eniwetok Atoll, by Ruth Todd. p. 1067-1100.
 - DD. Fossil corals from Eniwetok Atoll, by J. W. Wells. p. 1101-1111.
 - EE. Fossil Bryozoa from drill holes on Eniwetok Atoll, by D. A. Brown. p. 1113-1116.
 - FF. Brachiopods from Eniwetok and Bikini drill holes, by G. A. Cooper. p. 1117-1120.
 - GG. Fossil echinoids from the Marshall Islands, by P. M. Kier. p. 1121-1126.
 - HH. Fossil decapod crustaceans from the Marshall Islands, by H. B. Roberts. p. 1127-1131.
- 260-II. Miocene pollen and spore flora of Eniwetok Atoll, Marshall Islands, by E. B. Leopold. 1969 [1970]. p. 1133-1185. \$1. (Professional Paper 260 issued separately except as listed above under the general title "Bikini and nearby atolls, Marshall Islands.")
- *272-D. Evaporation from the 17 Western States, by J. S. Meyers, *with a section on* Evaporation rates, by T. J. Nordenson, U.S. Weather Bureau. 1962. p. 71-100.

- *272-E. A practical field technique for measuring reservoir evaporation utilizing mass-transfer theory, by G. E. Harbeck, Jr. 1962. p. 101-105.
- *272-F. Methods to compute long-wave radiation from the atmosphere and reflected solar radiation from a water surface, by G. E. Koberg. 1964. p. 107-136.
- *272-G. Evaporation study in a humid region, Lake Michie, N.C., by J. F. Turner, Jr. 1966. p. 137-150.
- *272-H. Analysis of techniques used to measure evaporation from Salton Sea, Calif., by G. H. Hughes. 1967. p. 151-176. (Professional Paper 272 issued only as separate chapters under the general title "Studies of evaporation.")
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- *297-B. Geology of the Hugo pegmatite, Keystone, S. Dak., by J. J. Norton, L. R. Page, and D. A. Brobst. 1962. p. 49-127.
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- *446. Geology of the Quadalupe Mountains, N. Mex., by P. T. Hayes, 1964. 69 p.
- *447. The Comanche Series and associated rocks in the subsurface in central and south Florida, by P. L. Applin and E. R. Applin. 1965. 84 p.
- 448-A. Availability of water in the Mississippi embayment, by E. M. Cushing, E. H. Boswell, P. R. Speer, R. L. Hosman, and others. 1970. p. A1-A13. \$5.50. (Chapter A includes title page and contents for volume.)
- *448-B. General geology of the Mississippi embayment, by E. M. Cushing, E. H. Boswell, and R. L. Hosman. 1964. p. B1-B28.
- *448-C. Cretaceous aquifers in the Mississippi embayment, by E. H. Boswell, G. K. Moore, L. M. MacCary, and others, *with discussions of* Quality of the water, by H. G. Jeffery. 1965. p. C1-C37.
- 448-D. Tertiary aquifers in the Mississippi embayment, by R. L. Hosman, A. T. Long, T. W. Lambert, and others, *with discussions of* Quality of the water, by H. G. Jeffery. 1968. p. D1-D29. \$4.75.
- 448-E. Quaternary aquifers in the Mississippi embayment, by E. H. Boswell, E. M. Cushing, and R. L. Hosman, *with a discussion of* Quality of the water, by H. G. Jeffery. 1968. p. E1-E15. \$1.25.
- *448-F. Low-flow characteristics of streams in the Mississippi embayment in northern Arkansas and in Missouri, by P. R. Speer, M. S. Hines, M. E. Janson, and others, *with a section on* Quality of the water, by H. G. Jeffery. 1966. p. F1-F25.
- *448-G. Low-flow characteristics of streams in the Mississippi embayment in southern Arkansas, northern Louisiana, and northeastern Texas, by P. R. Speer, M. S. Hines, A. J. Calandro, and others, *with a section on* Quality of the water, by H. G. Jeffery. 1966. p. G1-G40.
- *448-H. Low-flow characteristics of streams in the Mississippi embayment in Tennessee, Kentucky, and Illinois, by P. R. Speer, W. J. Perry, J. A. McCabe, O. G. Lara, and others, *with a section on* Quality of the water, by H. G. Jeffery. 1965. p. H1-H36.
- *448-I. Low-flow characteristics of streams in the Mississippi embayment in Mississippi and Alabama, by P. R. Speer, H. G. Golden, J. F. Patterson, and others, *with a section on* Quality of the water, by W. J. Welborne. 1964. [1965]. p. I1-I47. (Professional Paper 448 issued only as separate chapters under the general title "Water resources of the Mississippi embayment.")
- *449. Geology of the central and northern parts of the Western Cascade Range in Oregon, by D. L. Peck, A. B. Griggs, H. G. Schlicker, F. G. Wells, and H. M. Dole. 1964. 56 p.
- *450-A. Synopsis of geologic, hydrologic, and topographic results. 1962. p. A1-A257.
- *450-B. Short papers in geology, hydrology, and topography, articles 1-59. 1962. p. B1-B145. Contains the following articles, which are not available separately:
 - 1. Stratigraphic and structural controls of mineralization in the Taylor mining district near Ely, Nevada, by Harald Drewes.

2. Suggestions for prospecting in the Humboldt Range and adjacent areas, Nevada, by Robert E. Wallace and Donald B. Tatlock.
3. Possible detachment faults in the Teepee Creek quadrangle, Gallatin County, Mont., by Irving J. Witkind.
4. Hydrogeologic evidence of the extension of the East Range fault, Humboldt and Pershing Counties, Nev., by Philip Cohen.
5. Old metavolcanic rocks of the Big Creek area, central Idaho, by B. F. Leonard.
6. Angular unconformity between Mesozoic and Paleozoic rocks in the northern Sierra Nevada, Calif., by L. D. Clark, R. W. Imlay, V. E. McMath, and N. J. Silberling.
7. Mesozoic age of metamorphic rocks in the Kings River area, southern Sierra Nevada, Calif., by James G. Moore and Franklin C. Dodge.
8. Red Bird Silty Member of the Pierre Shale, a new stratigraphic unit, by James R. Gill and William A. Cobban.
9. Note on post-Rustler red beds of Permian age of southeast New Mexico and west Texas, by James B. Cooper.
10. Volcanic rocks of Oligocene age in the southern part of the Madison Range, Montana and Idaho, by Warren Hamilton and Estella B. Leopold.
11. Radiocarbon dates relating to a widespread volcanic ash deposit, eastern Alaska, by Arthur T. Fernald.
12. Origin of spherulitic phosphate nodules in basal Colorado Shale, Bearpaw Mountains, Montana, by W. T. Pecora, B. C. Hearn, Jr., and Charles Milton.
13. Stream directions in the Lakota Formation (Cretaceous) in the northern Black Hills, Wyoming and South Dakota, by William J. Mapel and Charles L. Pillmore.
14. Formation and deposition of clay balls, Rio Puerco, New Mexico, by Carl F. Nordin, Jr., and William F. Curtis.
15. Estimating porosity from specific gravity, by Philip Cohen.
16. Relation of volumetric shrinkage to clay content of sediments from the San Joaquin Valley, California, by A. I. Johnson and D. A. Morris.
17. Lower Pleistocene Prairie Divide Till, Larimer County, Colo., by D. V. Harris and R. K. Fahnestock.
18. Late Pleistocene and Recent erosion and alluviation in parts of the Colorado River system, Arizona and Utah, by Maurice E. Cooley.
19. Relation of alluvial-fan size and slope to drainage-basin size and lithology in western Fresno County, Calif., by William B. Bull.
20. Recent growth of Halemaumau, Kilauea Volcano, Hawaii, by Donald H. Richter, James G. Moore, and Robert T. Haugen.
21. Marginal sea of middle Eocene age in New Jersey, by Stephen M. Herrick.
22. Recent discoveries of the Cretaceous ammonite *Haresiceras* and their stratigraphic significance, by William A. Cobban.
23. Triassic fossils from the southern Klamath Mountains, California, by N. J. Silberling and W. P. Irsin.

24. Thermal regime in the raised delta of Centrum S ϕ , northeast Greenland, by Daniel B. Krinsley.
25. Magnetic anomalies and ultramafic rock in northern California, by William P. Irwin and Gordon D. Bath.
26. Vanadium-rich garnet from Laguna, New Mexico, by Robert H. Moench.
27. Thorium and uranium in some alkalic igneous rocks from Virginia and Texas, by David Gottfried, Roosevelt Moore, and Alice Caemmerer.
28. Saline features of a small ice platform in Taylor Valley, Antarctica, by Warren Hamilton, Irving C. Frost, and Philip T. Hayes.
29. Index of refraction measurements of fused Hawaiian rocks, by D. B. Stewart.
30. Determination of silica in tektites and similar glasses by volatilization, by Maxwell K. Carron and Frank Cuttitta.
31. Use of La_2O_3 as a heavy absorber in the X-ray fluorescence analysis of silica rocks, by Harry J. Rose, Jr., Isidore Adler, and Francis J. Flanagan.
32. X-ray fluorescence determination of thallium in manganese ores, by Harry J. Rose, Jr., and Francis J. Flanagan.
33. Electrode determination of the carbon dioxide content of sea water and deep-sea sediment, by G. W. Moore, C. E. Robertson, and H. D. Hygren.
34. Transitory movements of the salt-water front in an extensive artesian aquifer, by Harold R. Henry.
35. Estimating the effects of stream impoundment on ground-water levels, by J. E. Reed and M. S. Bedinger.
36. Movement of ground water beneath the bed of the Mullica River in the Wharton Tract, southern New Jersey, by S. M. Lang and E. C. Rhodehamel.
37. Movement of perched ground water in alluvium near Los Alamos, New Mexico, by J. H. Abrahams, Jr., E. H. Baltz, and W. D. Purtyman.
38. Source of ground-water runoff at Champlin Creek, Long Island, New York, by E. J. Pluhowski and I. H. Kantrowitz.
39. Relation of faulting to the occurrence of ground water in the Flagstaff area, Arizona, by J. P. Akers.
40. Method for measuring upward leakage from artesian aquifers using rate of salt-crust accumulation, by J. H. Feth and R. J. Brown.
41. Seasonal temperature changes in wells as indicators of semi confining beds in valley-train aquifers, by Stanley E. Norris and Andrew M. Spieker.
42. Temperature-depth relations in wells as indicators of semi confining beds in valley-train aquifers, by Stanley E. Norris and Andrew M. Spieker.
43. Water-yielding potential of weathered crystalline rocks at the Georgia Nuclear Laboratory, by J. W. Stewart.
44. Use of inflatable packers in multiple-zone testing of water wells, by F. C. Koopman, J. H. Irwin, and E. D. Jenkins.

45. Estimating days of continuously deficient discharge, by C. H. Hardison and J. R. Crippen.
 46. Determination of tide-affected discharge of the Sacramento River at Sacramento, California, by S. E. Rantz.
 47. Points of origin of perennial flow in Georgia, by William J. Schneider.
 48. Determination of boron in waters containing fluoride, by Jack J. Rowe.
 49. Limitations of the methylene blue method for ABS determination, by Cooper H. Wayman.
 50. Hydrochemical facies in the "400-foot" and "600-foot" sands of the Baton Rouge area, Louisiana, by C. O. Morgan and M. D. Winner, Jr.
 51. Cation hydrochemical facies of ground water in the Englishtown Formation, New Jersey, by Paul R. Seaber.
 52. Use of Na/Cl ratios to distinguish oil-field from salt-spring brines in western Oklahoma, by A. R. Leonard and P. E. Ward.
 53. Relation between aluminum content and pH of water, Beaver Creek strip-mining area, Kentucky, by George W. Whetstone and John J. Musser.
 54. Chemical quality of surface waters in the Brazos River basin, Texas, by Burdge Irelan and H. B. Mendietta.
 55. Chemical quality of ground water in St. Thomas, Virgin Islands, by I. G. Grossman.
 56. A test of the direct geodetic restraint method of analytical aerotriangulation, by Robert C. Eller and Morris L. McKenzie.
 57. Research activity with the U-60 orthophotoscope, by Marvin B. Scher.
 58. Research on target design for photoidentification of control, by David Landen.
 59. New elevation meter for topographic surveys, by Julius L. Speert.
- *450-C. Short papers in geology and hydrology, articles 60-119. 1962. p. C1-C146. Contains the following articles, which are not available separately:
60. Eocene topography of the central East Tintic Mountains, Utah, by Hal T. Morris and James A. Anderson.
 61. A rare sodium niobate mineral from Colorado, by Raymond L. Parker, John W. Adams, and Fred A. Hildebrand.
 62. Localization of the Uravan mineral belt by sedimentation, by Daniel R. Shawe.
 63. Criteria for the recognition of jasperoid associated with sulfide ore, by T. G. Lovering and J. C. Hamilton.
 64. Beach placers containing radioactive minerals, Bay of Bengal, East Pakistan, by Robert G. Schmidt and S. Ali Asad.
 65. Variation in rank of Tertiary coals in the Cook inlet basin, Alaska, by F. F. Barnes.
 66. Possible engineering uses of subsidence induced by contained underground nuclear explosions, by F. N. Houser and Edwin B. Eckel.

67. A regional ultramafic sheet in eastern Klamath Mountains, California, by William P. Irwin and Peter W. Lipman.
68. Tectonic framework of an area within the Sierra Madre Oriental and adjacent Mesa Central, north-central Mexico, by Cleaves L. Rogers, Zoltan de Cserna, Jesús Ojeda Rivera, Eugenio Tavera Amezcua, and Roger van Vloten.
69. Precambrian basement structure and lithology inferred from aeromagnetic and gravity data in eastern Tennessee and southern Kentucky, by Joel S. Watkins.
70. Structural effects related to hydration of anhydrite, Copiapó area, Chile, by Kenneth Segerstrom.
71. Sedimentary rocks of Triassic age in northeastern Massachusetts, by Robert N. Oldale.
72. Subdivision of the Catskill Formation in the western part of the Anthracite region of Pennsylvania, by Harold H. Arndt, Gordon H. Wood, Jr., and J. Peter Trexler.
73. Uppermost Devonian and Lower Mississippian rocks of the western part of the Anthracite region of eastern Pennsylvania, by J. Peter Trexler, Gordon H. Wood, Jr., and Harold H. Arndt.
74. Pennsylvanian rocks of the southern part of the Anthracite region of eastern Pennsylvania, by Gordon H. Wood, Jr., J. Peter Trexler, and Harold H. Arndt.
75. Revised stratigraphic nomenclature for Upper Pennsylvanian and Lower Permian rocks, Washington County, Pennsylvania, by Henry L. Berryhill, Jr., and Vernon E. Swanson.
76. The Frozen Sandstone, a new member of the Breathitt Formation of eastern Kentucky, by Wallace R. Hansen, Edwin V. Post, and George E. Prichard.
77. The Ralston Creek (?) Formation of Late Jurassic age in the Raton Mesa region and Huerfano Park, south-central Colorado, by Ross B. Johnson.
78. Laney Shale Member and Tower Sandstone Lentil of the Green River Formation, Green River area, Wyoming, by William C. Culbertson.
79. Variable facies of the Chainman and Diamond Peak Formations in western White Pine County, Nev., by John H. Stewart.
80. Oak Spring Group of the Nevada Test Site and vicinity, Nevada, by F. G. Poole and F. A. McKeown.
81. Stratigraphy and origin of Lake Lahontan deposits of the Humboldt River valley near Winnemucca, Nevada, by Philip Cohen.
82. Subsurface stratigraphy of late Quaternary deposits, Searles Lake, California: a summary, by George I. Smith.
83. Staurolite zone near the St. Joe River, Idaho, by Anna Hietanen.
84. Zinc in magnetite from alluvium and from igneous rocks associated with ore deposits, by P. K. Theobald, Jr., and C. E. Thompson.
85. Metal content of some black shales of the Western Conterminous United States—Part 2, by D. F. Davidson and H. W. Lakin.
86. Chemical composition of Precambrian pelitic rocks, Quadrilátero Ferrífero, Minas Gerais, Brazil, by Norman Herz.

87. Age of Laramide porphyries near Leadville, Colorado, by Robert C. Pearson, Ogden Tweto, Thomas W. Stern, and Herman H. Thomas.
88. Lead-alpha ages of zircon from North and South Carolina, by W. C. Overstreet, Thomas W. Stern, Charles Annell, and Harold Westley.
89. A Miocene Pollen sequence from the Cascade Range of northern Oregon, by Jack A. Wolfe.
90. *Clisocaphites saxitonianus* (McLearn), a discrete ammonite zone in the Niobrara Formation at Pueblo, Colorado, by Glenn R. Scott and William A. Cobban.
91. Roll in a sandstone lentil of the Green River Formation, by John R. Rapp.
92. The Carolina Bays and emergence of the coastal plain of the Carolinas and Georgia, by Eugene C. Robertson.
93. Deflated marine terrace as a source of dune chains, Atacama Province, Chile, by Kenneth Segerstrom.
94. Gravimetric determinations of ice thickness of Jarvis Glacier, Alaska, by Ned A. Ostenso and G. William Holmes.
95. Multiple tills of end moraines, by George W. White.
96. Dissolving fluorite with solutions of aluminum salts, by R. E. Stevens, C. L. Sainsbury, and A. C. Bettiga.
97. Synthesis of large crystals of swartzite, by Robert Meyrowitz.
98. Apparatus for rapid determination of foam height, by C. H. Wayman, J. B. Robertson, and H. G. Page.
99. Comparison of three methods for estimating density of *Escherichia coli* in laboratory preparations, by H. G. Page, C. H. Wayman, and J. B. Robertson.
100. A sequential heating device for FeO determinations, by Leonard Shapiro and Fred Rosenbaum.
101. Geochemical field method for beryllium prospecting, by L. E. Patten and F. N. Ward.
102. Two implements for handling small quantities of liquid, by Frank C. Calkins.
103. Using a Bruton compass and a spring wire for weighing small samples, by Lyman C. Huff.
104. Interbasin movement of ground water at the Nevada Test Site, Nevada, by Isaac J. Winograd.
105. Potential aquifers in carbonate rocks, Nevada Test Site, Nevada, by Stuart L. Schoff and Isaac J. Winograd.
106. Hydrology of radioactive-waste disposal in the MTR-ETR area, National Reactor Testing Station, Idaho, by Paul H. Jones and Eugene Shuter.
107. Artificial recharge of basalt aquifers, Walla Walla, Washington, by Arthur A. Garrett.
108. Effect of the Haiku tunnel on Kahaluu Stream, Oahu, Hawaii, by George T. Hirashima.
109. Ground-water shadows and buried topography, San Xavier Indian Reservation, Pima County, Ariz., by L. A. Heindl.
110. Water-bearing characteristics of the Lockport Dolomite near Niagara Falls, New York, by Richard H. Johnston.

111. Effect of stream infiltration on ground-water temperatures near Schenectady, New York, by John D. Winslow.
112. A relation between floods and drought flows in the Piedmont province in Virginia, by Ennio V. Giusti.
113. Effect of urban growth on sediment discharge, Northwest Branch Anacostia River basin, Maryland, by Frank J. Keller.
114. Source of sulfate in ground water of the Truckee Meadows area, Nevada, by Philip Cohen.
115. Downdip changes in chemical quality of water in the "500-foot" sand of western Tennessee, by Gerald K. Moore.
116. Estimating water quality from electrical logs, by A. N. Turcan, Jr.
117. Adsorption of anionic detergent on solid mineral surfaces, by Cooper H. Wayman.
118. Retention of water in silts and sands, by A. Nelson Sayre and W. O. Smith.
119. Vadose flow in layered and nonlayered materials, by W. N. Palmquist, Jr., and A. I. Johnson.
- *450-D. Short papers in geology, hydrology, and topography, articles 120-179. 1962. p. D1-D195. Contains the following articles, which are not available separately.
 120. Age of some copper-bearing porphyries and other igneous rocks in southeastern Arizona, by S. C. Creasey and R. W. Kistler.
 121. Thalenite from Teller County, Colo., by J. W. Adams, F. A. Hildebrand, and R. G. Havens.
 122. Alteration as a guide to uranium ore, Shirley Basin, Wyoming, by E. N. Harshman.
 123. Alunite on Aspen Mountain, southwestern Wyoming, by J. D. Love and P. D. Blackmon.
 124. Clays in the Morrison Formation and their spatial relation to the uranium deposits at Ambrosia Lake, New Mexico, by H. C. Granger.
 125. Geology of Djatiluhur damsite and vicinity, West Java, Indonesia, by H. H. Waldron.
 126. Precambrian(?) and Cambrian stratigraphy in Esmeralda County, Nevada, by J. P. Albers and J. H. Stewart.
 127. Cambrian Carrara Formation, Bonanza King Formation, and Dunderberg Shale east of Yucca Flat, Nye County, Nev., by Harley Barnes, R. L. Christiansen, and F. M. Byers, Jr.
 128. Age and sequence of metasedimentary and metavolcanic formations northwest of New Haven, Connecticut, by C. E. Fritts.
 129. Age of the Leadville Limestone in the Glenwood Canyon, western Colorado, by W. E. Hallgarth and B. A. L. Skipp.
 130. Type sections for the Morrow Series, of Pennsylvanian age, and adjacent beds, Washington County, Ark., by L. G. Henbest.
 131. New members of the Bloyd Formation of Pennsylvanian age. Washington County, Ark., by L. G. Henbest.
 132. The Eagle Valley Evaporite and its relation to the Minturn and Maroon Formations, northwest Colorado, by T. S. Lovering and W. W. Mallory.

133. Jurassic stratigraphy in the McCarthy C-5 quadrangle, Alaska, by E. M. MacKevett, Jr., and R. W. Imlay.
134. Some Late Cretaceous strand lines in southern Wyoming, by A. D. Zapp and W. A. Cobban.
135. Tertiary volcanic and related rocks of the Republic area, Ferry County, Washington, by Siegfried Muessig.
136. Geology of Tertiary rocks in Escambia and Santa Rosa Counties, western Florida, by O. T. Marsh.
137. Stratigraphy and hydrology of the Juana Díaz Formation in the Yauco area, Puerto Rico, by I. G. Grossman.
138. Pyroclastic deposits of Recent age at Mount Rainier, Washington, by D. R. Crandell, D. R. Mullineaux, R. D. Miller, and Meyer Rubin.
139. The Pine Mountain overthrust at the northeast end of the Powell Valley anticline, Virginia, by R. L. Miller.
140. Gravity and magnetic anomalies in Gem Valley, Caribou County, Idaho, by D. R. Mabey and F. C. Armstrong.
141. Gravity, volcanism, and crustal deformation in the eastern Snake River Plain, Idaho, by T. R. LaFehr and L. C. Pakiser.
142. Geohydrologic evidence of a buried fault in the Erda area, Tooele Valley, Utah, by J. S. Gates.
143. Recurrent movement on the Canyon Creek fault, Navajo County, Ariz., by T. L. Finnell.
144. Restudy of the Arrowhead fault, Muddy Mountains, Nevada, by C. R. Longwell.
145. Correlation of granitic plutons across faulted Owens Valley, Calif., by D. C. Ross.
146. Structural control of interior drainage, southern San Joaquin Valley, Calif., by G. H. Davis and J. H. Green.
147. Tertiary salt domes near San Pedro de Atacama, Chile, by R. J. Dingman.
148. Zinc occurrence in the Serpent Mound structure of southern Ohio, by A. V. Heyl and M. R. Brock.
149. Thermoluminescence investigations at Meteor Crater, Arizona, by C. H. Roach, G. R. Johnson, J. G. McGrath, and T. S. Sterrett.
150. Electrical and magnetic properties of a replacement-type magnetite deposit in San Bernardino County, Calif., by C. J. Zablocki.
151. Determination of the magnetic polarity of rock samples in the field, by R. R. Doell and Allan Cox.
152. Thermal expansion of ten minerals, by B. J. Skinner.
153. Hydrothermal alteration in drill holes GS-5 and GS-7, Steamboat Springs, Nevada, by G. E. Sigvaldason and D. E. White.
154. Precambrian gabbro in the central Front Range, Colorado, by R. B. Taylor and P. K. Sims.
155. Erosional features of snow avalanches, Middle Fork Kings River, Calif., by G. H. Davis.
156. Configuration of the bedrock beneath the channel of the lower Merrimack River, Mass., by E. A. Sammel.

157. Geology of Pleistocene deposits of Lake County, Ind., by J. S. Rosensheim.
 158. Geology of the Vermilion end moraine, Nett Lake Indian Reservation, Minn., by R. F. Norvitch.
 159. Three pre-Bull Lake tills in the Wind River Mountains, Wyo., by G. M. Richmond.
 160. Faulted Pleistocene strata near Jackson, northwestern Wyoming, by J. D. Love and D. W. Taylor.
 161. Late Cretaceous *Desmoscaphtes* Range Zone in the western interior region, by W. A. Cobban.
 162. The ostracode genus *Cytherelloidea*, a possible indicator of paleotemperature, by I. G. Sohn.
 163. Wind directions in late Paleozoic to middle Mesozoic time on the Colorado Plateau, by F. G. Poole.
 164. Laboratory studies on deformation in unconsolidated sediment, by E. D. McKee, M. A. Reynolds, and C. H. Baker, Jr.
 165. Experiments on intraformational recumbent folds in crossbedded sand, by E. D. McKee, M. A. Reynolds, and C. H. Baker, Jr.
 166. Edge isolation in photogrammetry and geologic photography, by A. B. Clarke.
 167. Shortcut method for the preparation of shaded-relief illustrations, by J. R. Stacey.
 168. Winter ground-water temperatures along the Mullica River, Wharton Tract, N.J., by E. C. Rhodehamel and S. M. Lang.
 169. Relation of permeability and jointing in crystalline metamorphic rocks near Jonesboro, Georgia, by J. W. Stewart.
 170. Aquifers in buried shore and glaciofluvial deposits along the Gladstone beach of glacial Lake Agassiz near Stephen, Minnesota, by R. W. Maclay and G. R. Schiner.
 171. Potential yield of deep water wells in the southern part of the Jicarilla Apache Indian Reservation and vicinity, San Juan Basin, N. Mex., by E. H. Baltz, S. W. West, and J. R. Ash.
 172. Compaction of the aquifer system and land subsidence in the Santa Clara Valley, Calif., by J. H. Green.
 173. Use of short records of runoff to estimate a 25-year average runoff in the Potomac River basin, by W. S. Eisenlohr, Jr.
 174. Use of regionalized flood-frequency curves in adjusting flow-duration curves, by G. A. Kirkpatrick and J. A. McCabe.
 175. A control structure for measuring water discharge and sediment load, by E. V. Richardson and D. D. Harris.
 176. Use of a radioisotope to measure water discharge, by B. J. Frederick, C. W. Reck, and R. W. Carter.
 177. Solute degradation in the Potomac River basin, by H. R. Feltz and J. W. Wark.
 178. Foaming characteristics of synthetic-detergent solutions, by C. H. Wayman, J. B. Robertson, and H. G. Page.
 179. Surface tension of detergent solutions, by C. H. Wayman, J. B. Robertson, and H. G. Page.
- *450-E. Short papers in geology, hydrology, and topography, articles 180-239. 1963. p. E1-E189. (Professional Paper 450 issued only as separate chapters under the general title "Geological Survey research 1962.")

Chapter E contains the following articles, which are not available separately:

180. Mineralization associated with a magnetic anomaly in part of the Ely quadrangle, Nevada, by A. L. Brokaw, G. B. Gott, D. R. Mabey, Howard McCarthy, and Uteana Oda.
181. Preliminary report on alkalic intrusive rocks in the northern Wet Mountains, Colo., by R. L. Parker and F. A. Hilderbrand.
182. Landslides near Gardiner, Mont., by H. A. Waldrop and H. J. Hyden.
183. The Crooked Creek disturbance, southeast Missouri, by T. H. Kiilsgaard, A. V. Heyl, and M. R. Brock.
184. Origin of the Middlesboro Basin, Ky., by K. J. Englund and J. B. Roen.
185. Thrusting developed after folding in the Valley and Ridge province, southwest Virginia, by L. D. Harris.
186. Reversal of throw along a line of low-angle thrust faulting near San Pedro de Atacama, Chile, by R. J. Dingman.
187. Gravity and magnetic anomalies in the northern Oquirrh Mountains, Utah, by D. R. Mabey, E. W. Tooker, and R. J. Roberts.
188. Comparison of Oquirrh Formation sections in the northern and central Oquirrh Mountains, Utah, by E. W. Tooker and R. J. Roberts.
189. Windy Gap Volcanic Member of the Middle Park Formation, Middle Park, Colo, by G. A. Izett, R. B. Taylor, and D. L. Hoover.
190. Shallow halite deposits in the Flowerpot Shale in southwestern Oklahoma, by P. E. Ward.
191. Crinoidal bioherms in the Fort Payne Chert (Mississippian) along the Caney Fork River, Tenn., by M. V. Marcher.
192. Mississippian-Pennsylvanian boundary in northeastern Kentucky, by R. A. Sheppard and Ernest Dobrovolny.
193. Correlation of the Parkwood Formation and the lower members of the Pottsville Formation in Alabama, by W. C. Culbertson.
194. Pennsylvanian nomenclature in northwest Georgia, by W. C. Culbertson.
195. Pathfinder uplift of Pennsylvanian age in southern Wyoming, by W. W. Mallory.
196. Unconformity marking the Jurassic-Cretaceous boundary in the La Ligua area, Aconcagua Province, Chile, by W. D. Carter.
197. Relations of the Navajo and Carmel Formations in southwest Utah and adjoining Arizona, by J. C. Wright and D. D. Dickey.
198. Bentonite beds of unusual composition in the Carmel Formation, southwest Utah, by L. G. Schultz and J. C. Wright.
199. Sampling a zoned galena crystal for lead isotope study, by R. S. Cannon, Jr., K. L. Buck, and A. P. Pierce.
200. Epidote and related minerals in two deep geothermal drill holes, Reykjavik and Hveragerdi, Iceland, by G. E. Sigvaldason.
201. Epidote in hot-spring systems, and depth of formation of propylitic epidote in epithermal ore deposits, by D. E. White and G. E. Sigvaldason.

202. Thorium and uranium in some volcanic rocks from the circum-Pacific province, by David Gottfried, Roosevelt Moore, and Esma Campbell.
203. The quartz diorite line in northwestern North America, by J. G. Moore, Arthur Grantz, and M. C. Blake, Jr.
204. Syenite complex older than the Idaho batholith, Big Creek quadrangle, central Idaho, by B. F. Leonard.
205. Trondhjemite in the Riggins quadrangle, western Idaho, by Warren Hamilton.
206. X-ray determinative curve for olivines of composition Fo_{50-65} from stratiform and alpine-type peridotites, by P. E. Hotz and E. D. Jackson.
207. Formation of "salt cups" near San Pedro de Atacama, Chile, by R. J. Dingman.
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 - *475-A. Summary of investigations. 1963. p. A1-A300.

*475-B. Short papers in geology and hydrology, Articles 1-59. 1963. p. B1-B219. Contains the following articles, which are not available separately:

1. Significance of O^{18}/O^{16} and C^{13}/C^{12} ratios in hydrothermally dolomitized limestones and manganese carbonate replacement ores of the Drum Mountains, Juab County, Utah, by T. S. Lovering, J. H. McCarthy, and Irving Friedman.
2. Thortveitite associated with fluorite, Ravalli County, Mont., by R. L. Parker and R. G. Havens.
3. Beryllium in the tin deposits of Irish Creek, Va., by F. G. Lesure, T. H. Kiilsgaard, C. E. Brown, and M. E. Mrose.
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- *475-C. Short papers in geology and hydrology, Articles 60-121. 1963. p. C1-C233. Contains the following articles, which are not available separately:
60. Structure of Precambrian crystalline rocks in the northern part of Grand Teton National Park, Wyo., by J. C. Reed, Jr.
 61. Plutonic rocks of northern Zacatecas and adjacent areas, Mexico, by C. L. Rogers, Roger van Vloten, J. O. Rivera, E. T. Amezcua, and Zoltan de Cserna.
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84. Calcitization of dolomite by calcium sulfate solutions in the Minnelusa Formation, Black Hills, S. Dak., and Wyo., by W. A. Braddock and C. G. Bowles.
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- *475-D. Short papers in geology and hydrology, Articles 122-172. 1964. p. D1-D223. (Professional Paper 475 issued only as separate chapters under the general title "Geological Survey research 1963.") Chapter D contains the following articles, which are not available separately:
 122. Comparison of late Paleozoic depositional history of northern Nevada and central Idaho, by R. J. Roberts and M. R. Thomasson. p. D1-D6.
 123. Thrust-fault relations in the northern Coast Ranges, Calif., by R. D. Brown, Jr. p. D7-D13.
 124. Upper Pliocene marine strata on the east side of the San Joaquin Valley, Calif., by R. L. Klausing and K. E. Lohman. p. D14-D17.
 125. Miocene vertebrates of the Barstow Formation in southern California, by G. E. Lewis. p. D18-D23.
 126. The Thirsty Canyon Tuff of Nye and Esmeralda Counties, Nev., by D. C. Noble, R. E. Anderson, E. B. Ekren, and J. T. O'Connor. p. D24-D27.
 127. St. Kevin Granite, Sawatch Range, Colo., by Ogden Tweto and R. C. Pearson. p. D28-D32.
 128. Reinterpretation of the late growth of the Gypsum Valley salt anticline, San Miguel County, Colo., by F. W. Carter. p. D33-D37.
 129. A Pleistocene section at Leonards Cut, Burke County, N.C., by J. C. Reed, Jr., Bruce Bryant, Jr., E. B. Leopold, and Louise Weiler. p. D38-D42.
 130. Surface and subsurface stratigraphic sequence in southeastern Mississippi, by D. H. Eargle. p. D43-D48.
 131. Magmatic differentiation in a volcanic sequence related to the Creede caldera, Colorado, by J. C. Ratté and T. A. Steven. p. D49-D53.
 132. Revised Tertiary volcanic sequence in the central San Juan Mountains, Colo., by T. A. Steven and J. C. Ratté. p. D54-D63.
 133. Valleriite and the new iron sulfide, mackinawite, by H. T. Evans, Jr., Charles Milton, E. C. T. Chao, Isidore Adler, Cynthia Mead, Blanche Ingram, and R. A. Berner. p. D64-D69.

134. Eddies as indicators of local flow direction in rhyolite, by David Cummings. p. D70-D72.
135. Cadmium in samples of the Pierre Shale and some equivalent stratigraphic units, Great Plains region, by H. A. Tourtelot, Claude Huffman, Jr., and L. F. Rader. p. D73-D78.
136. Analysis of geochemical prospecting data from the Rocky Range, Beaver County, Utah, by J. J. Connor and A. T. Miesch. p. D79-D83.
137. Investigation of sampling-error effects in geochemical prospecting, by A. T. Miesch and J. J. Connor. p. D84-D88.
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139. Determination of the ion-exchange capacity of a zeolitic tuff, by H. C. Starkey. p. D93-D95.
140. Geological and geochemical reconnaissance, southern part of the Smyrna Mills quadrangle, Aroostook County, Maine, by Louis Pavlides and F. C. Canney. p. D96-D99.
141. Age of basement rocks from the Williston basin of North Dakota and adjacent areas, by Z. E. Peterman and C. E. Hedge. p. D100-D104.
142. Isotopic ages of glaucophane schists from the area of Cazadero, Calif., by D. E. Lee, H. H. Thomas, R. F. Marvin, and R. G. Coleman. p. D105-D107.
143. Crustal structure in the vicinity of Las Vegas, Nev., from seismic and gravity observations, by J. C. Roller. p. D108-D111.
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170. Ground water in the Arica area, Chile, by W. W. Doyel. p. D213-D215.
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- *476-A. Geology and uranium deposits in the Cave Hills area, Harding County, S. Dak., by G. N. Pipiringos, W. A. Chisholm, and R. C. Keffelerle. 1965. p. A1-A64.
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- ters under the general title. "Geology of the Wind River Basin, central Wyoming.")
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- *501-B. Geological Survey research 1964, Chapter B. 1964. p. B1-B191. Contains the following articles, which are not available separately:
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- *501-C. Geological Survey research 1964, Chapter C. 1964. p. C1-C197. Contains the following articles, which are not available separately:
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- Contamination of ground water by detergents in a suburban environment—South Farmingdale area, Long Island, N.Y., by N. M. Perlmutter, Maxim Lieber, and H. L. Frauenthal. p. C170-C175.
- Relation of chemical quality of water to recharge to the Jordan Sand-

- stone in the Minneapolis-St. Paul area, Minnesota, by M. L. Maderak. p. C176-C179.
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- Relation of annual runoff to meteorological factors, by M. W. Busby. p. C188-C189.
- Photogrammetric contouring of areas covered by evergreen forests, by James Halliday. p. C190-C193.
- *501-D. Geological Survey research 1964, Chapter D. 1964 [1965]. p. D1-D209. (Professional Paper 501 issued only as separate chapters under the general title "Geological Survey research 1964.") Chapter D contains the following articles, which are not available separately:
- Temperatures in the crust and melt of Alae lava lake, Hawaii, after the August 1963 eruption of Kilauea Volcano—A preliminary report, by D. L. Peck, J. G. Moore, and George Kojima. p. D1-D7.
- Variation in modes and norms of an "homogeneous" pluton of the Boulder batholith, Montana, by R. I. Tilling. p. D8-D13.
- Mafic lavas of Dome Mountain, Timber Mountain caldera, southern Nevada, by S. J. Luft. p. D14-D21.
- Preliminary report on the structure of the southeast Gros Ventre Mountains, Wyo., by W. R. Keefer. p. D22-D27.
- Pre-Fall River folding in the southern part of the Black Hills, S. Dak., by G. B. Gott. p. D28-D29.
- Chinle Formation and Glen Canyon Sandstone in northeastern Utah and northwestern Colorado, by F. G. Poole and J. H. Stewart. p. D30-D39.
- Significance of Triassic ostracodes from Alaska and Nevada, by I. G. Sohn. p. D40-D42.
- Middle Devonian plant fossils from northern Maine, by J. M. Schopf. p. D43-D49.
- Radiometric ages of zircon and biotite in quartz diorite, Eights Coast, Antarctica, by A. A. Drake, Jr., T. W. Stern, and H. H. Thomas. p. D50-D53.
- Qualitative X-ray emission analysis studies of enrichment of common elements in wallrock alteration in the Upper Mississippi Valley zinc-lead district, by J. W. Hosterman, A. V. Heyl, and J. L. Jolly. p. D54-D60.
- Suggested exploration target in west-central Maine, by F. C. Canney and E. V. Post. p. D61-D64.
- Radioactivity- and density-measuring devices for oceanographic studies, by C. M. Bunker. p. D65-D69.
- Aeromagnetic interpretation of the Globe-Miami copper district, Gila and Pinal Counties, Ariz., by Anna Jespersen. p. D70-D75.
- Epigenetic uranium deposits in sandstone, by W. I. Finch. p. D76-D78.
- The occurrence of phosphate rock in California, by H. D. Gower and B. M. Madsen. p. D79-D85.
- The distribution and quality of oil shale in the Green River Formation of the Uinta Basin, Utah-Colorado, by W. B. Cashion. p. D86-D89.
- Btu values of Fruitland Formation coal deposits in Colorado and New

- Mexico, as determined from rotary-drill cuttings, by J. S. Hinds. p. D90-D94.
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- Three pre-Bull Lake tills in the Wind River Mountains, Wyo.—A reinterpretation, by G. M. Richmond. p. D104-D109.
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- Occurrence of dissolved solids in surface waters in the United States, by W. B. Langbein and D. R. Dawdy. p. D115-D117.
- Statistical parameters of Cape Cod beach and eolian sands, by John Schlee, Elazar Uchupi, and J. V. A. Trumbull. p. D118-D122.
- An instrumental technique for the determination of submicrogram concentrations of mercury in soils, rocks, and gas, by W. W. Vaughn and J. H. McCarthy, Jr. p. D123-D127.
- Determination of mercury in vegetation with dithizone—A single extraction procedure, by F. N. Ward and J. B. McHugh. p. D128-D130.
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- Geologic factors affecting discharge of the Sheyenne River in southeastern North Dakota, by Q. F. Paulson. p. D177-D181.
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- A periscope for the study of borehole walls, and its use in ground-water studies in Niagara County, N.Y., by F. W. Trainer and J. E. Eddy. p. D203-D206.
- *502-A. The hydrology and mineralogy of Deep Springs Lake, Inyo County, Calif., by B. F. Jones. 1965 [1966]. p. A1-A56. (Professional Paper 502 issued only as separate chapters under the general title "Closed-basin investigations.")
- *503-A. Paleozoic Gastropoda from the Moose River synclinorium, northern Maine, by A. J. Boucot and E. L. Yochelson. 1966. p. A1-A20.
- *503-B. Some western American Cenozoic gastropods of the genus *Nassarius*, by W. O. Addicott. 1965. p. B1-B21.
- *503-C. Early Permian vertebrates from the Cutler Formation of the Placer-ville area, Colorado. by G. E. Lewis and P. P. Vaughn, *with a section on* Footprints from the Cutler Formation, by Donald Baird. 1965. p. C1-C50.
- *503-D. Marine Jurassic gastropods, central and southern Utah, by N. F. Sohl. 1965. p. D1-D29.
- *503-E. Revision of some Paleozoic coral species from the Western United States, by W. J. Sando. 1965. p. E1-E38.
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- *504-B. Postglacial drainage evolution and stream geometry in the Ontonagon area, Michigan, by J. T. Hack. 1965. p. B1-B40.
- *504-C. Geology and petrogenesis of the Island Park caldera of rhyolite and basalt, eastern Idaho, by Warren Hamilton. 1965. p. C1-C37.
- *504-D, E. D, Studies of the zeolites—Composition of zeolites of the natrolite group, p. D1-D7, and E, Compositional relations among thomsonites, gonnardites, and natrolites, by M. D. Foster, p. E10. 1965.
- *504-F. Underground temperatures and heat flow in the East Tintic district, Utah, by T. S. Lovering and H. T. Morris. 1965 [1966]. p. F1-F28. (Professional Paper 504 issued separately except as listed above under the general title "Shorter contributions to general geology, 1964." Chapter F includes title and contents for volume.)
- *505. Philmont country, the rocks and landscape of a famous New Mexico ranch, by G. D. Robinson, A. A. Wanek, W. H. Hays, and M. E. McCallum, illustrated by J. R. Stacy. 1964. 152 p. (See also Miscellaneous Geologic Investigations Map I-425.)
- *506-A. Use of analog models in the analysis of flood runoff, by John Shen.

1965. p. A1-A24. (Professional Paper 506 issued only as separate chapters under the general title "Synthesis in hydrology.")
- *507. Geology and coal reserves of the Kermit and Varney area, Kentucky, by J. W. Huddle and K. J. Englund. 1966. 83 p.
 - *508. Geology and uranium-vanadium deposits of the La Sal quadrangle, San Juan County, Utah, and Montrose County, Colo., by W. D. Carter and J. L. Gualtieri. 1965 [1966]. 82 p.
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 - *516-B. Geologic interpretation of an aeromagnetic survey of the Iron Springs district, Utah, by H. R. Blank, Jr., and J. H. Mackin. 1967. p. B1-B14.
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- including Ogden, Utah, by J. H. Feth, D. A. Barker, L. G. Moore, R. J. Brown, and C. E. Veirs. 1966 [1967]. 76 p.
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- *520. Geology and uranium deposits of the Ralston Buttes district, Jefferson County, Colo., by D. M. Sheridan, C. H. Maxwell, and A. L. Albee, *with sections on Paleozoic and younger sedimentary rocks*, by Richard Van Horn. 1967. 121 p.
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- 521-B. Stratigraphy of the Chinle and Moenkopi Formations, Navajo and Hopi Indian Reservations, Ariz., N. Mex., and Utah, by C. A. Repenning, M. E. Cooley, and J. P. Akers. 1969. p. B1-B34. \$1.25. (Professional Paper 521 issued only as separate chapters under the general title "Hydrogeology of the Navajo and Hopi Indian Reservations, Ariz., N. Mex., and Utah.")
- *522. Areal geology of the western Mojave Desert, Calif., by T. W. Dibblee, Jr. 1967. 153 p.
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- 523-C. Late Pleistocene marine paleoecology and zoogeography in central California, by W. O. Addicott. 1966. p. C1-C21. 35¢.
- *523-D. Some Middle Ordovician brachiopods and trilobites from the Basin Ranges, western United States, by R. J. Ross, Jr., *with stratigraphic sections A*, north of Pyramid Peak, Calif., by R. J. Ross, Jr., *and B*, in Specter Range, Nev., by Harley Barnes. 1967. p. D1-D43. (See Bulletin 1180-C also.)
- *523-E. *Tinsleya*, a new genus of seed-bearing callipterid plants from the Permian of north-central Texas, by S. H. Mamay. 1966. p. E1-E15. (Professional Paper 523 issued only as chapters under the "Contributions to paleontology, 1965." Chapter E includes title page and contents for volume.)
- *524-A. Pancho Rico Formation, Salinas Valley, Calif., by D. L. Durham and W. O. Addicott. 1965. p. A1-A22.
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- *524-G. The Gulf Series in the subsurface in northern Florida and southern Georgia, by P. L. Applin and E. R. Applin. 1967. p. G1-G35.
- *524-H. Ash flows and related volcanic rocks associated with the Creede caldera, San Juan Mountains, Colo., by J. C. Ratté and T. A. Steven. 1967. p. H1-H58.
- *524-I. Bedrock geology of the Shin Pond and Stacyville quadrangles, Penobscot County, Maine, by R. B. Neuman. 1967. p. I1-I37. (Professional Paper 524 issued only as separate chapters under the general title "Shorter contributions to general geology, 1965.")
- *525-A. Geological Survey research 1965, Chapter A. 1965 [1966]. p. A1-A376.
- *525-B. Geological Survey research 1965, Chapter B. 1965. p. B1-B195. Contains the following articles, which are not available separately:
 - The basalt-eclogite transformation and crustal structure in the Western United States, by L. C. Pakiser. p. B1-B8.
 - Geophysical evidence of a caldera at Bonanza, Colo., by D. E. Karig. p. B9-B12.
 - Hawaiian seismic events during 1963, by R. Y. Koyanagi and E. T. Endo. p. B13-B16.
 - Correlation of zinc abundance with stratigraphic thickness variations in the Kingsport Formation, West New Market area, Mascot-Jefferson City mining district, Tennessee, by Helmuth Wedow, Jr., and J. R. Marie. p. B17-B22.
 - Mercury-bearing antimony deposit between Big Creek and Yellow Pine, central Idaho, by B. F. Leonard. p. B23-B28.
 - Suggestions for prospecting for evaporite deposits in southwestern Virginia, by C. F. Withington. p. B29-B33.
 - Low-volatile bituminous coal of Mississippian age on the Lisburne Peninsula, northwestern Alaska, by I. L. Tailleux. p. B34-B38.
 - Distribution of gravel in the Patuxent Formation in the Beltsville quadrangle, Prince Georges and Montgomery Counties, Md., by C. F. Withington. p. B39-B42.
 - Structure of the Timber Mountain caldera, southern Nevada, and its relation to basin-range structure, by R. L. Christiansen, P. W. Lipman, P. P. Orkild, and F. M. Byers, Jr. p. B43-B48.
 - The Clinchport thrust fault—A major structural element of the southern Appalachian Mountains, by L. D. Harris. p. B49-B53.
 - Correlation of Cretaceous and lower Tertiary rocks near Livingston, Mont., with those in other areas of Montana and Wyoming, by A. E. Roberts. p. B54-B63.
 - An Upper Cretaceous deposit in the Appalachian Mountains, by R. H. Tschudy. p. B64-B68.
 - Classification of the superfamily Healdiacea and the genus *Pseudophanasymmetria* Sohn and Berdan, 1952 (Ostracoda), by I. G. Sohn. p. B69-B72.
 - Stratigraphic distribution of the Late Cambrian mollusk *Matthevia* Walcott, 1885, by E. L. Yochelson, J. F. McAllister, and Anthony Reso. p. B73-B78.
 - A classification for quartz-rich igneous rocks based on feldspar ratios, by J. T. O'Connor. p. B79-B84.

- Gold Flat Member of the Thirsty Canyon Tuff—A pantellerite ash-flow sheet in southern Nevada, by D. C. Noble. p. B85-B90.
- Precipitation and recycling of phosphate in the Florida land-pebble phosphate deposits, by Z. S. Altschuler. p. B91-B95.
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- K-Ar and Rb-Sr ages of biotite from the Middle Jurassic part of the Carmel Formation, Utah, by R. F. Marvin, J. C. Wright, and F. G. Walthall. p. B104-B107.
- Potassium-argon ages of some plutonic rocks, Tenakee area, Chichagof Island, southeastern Alaska, by M. A. Lanphere, R. A. Loney, and D. A. Brew. p. B109-B111.
- A large transitional rock glacier in the Johnson River area, Alaska Range, by H. L. Foster and G. W. Holmes. p. B112-B116.
- Dissected gravels of the Río Copiapó valley and adjacent coastal area, Chile, by Kenneth Segerstrom. p. B117-B121.
- Earth cracks—A cause of gullying, by William Kam. p. B122-B125.
- Glacial deposits of Nebraskan and Kansan age in northern Kentucky, by M. M. Leighton and L. L. Ray. p. B126-B131.
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- Use of magnetic susceptibility and grain density in identification of basalt flows at the Nevada Test Site, by K. A. Sargent. p. B142-B145.
- The best value of porosity of lapilli tuff from the Nevada Test Site, by G. E. Manger. p. B146-B150.
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- A portable sampler for collecting water samples from specific zones in uncased or screened wells, by R. N. Cherry. p. C214-C216.
- *525-D. Geological Survey research 1965, Chapter D. 1965. p. D1-D231. (Professional Paper 525 issued only as separate chapters under the general title "Geological Survey research 1965.") Chapter D contains the following articles, which are not available separately:
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- Reconnaissance of mineral ages of plutons in Elko County, Nev., and vicinity, by R. R. Coats, R. F. Marvin, and T. W. Stern. p. D11-D15.
- Jurassic plutonism in the Cook Inlet region, Alaska, by R. L. Detterman, B. L. Reed, and M. A. Lanphere. p. D16-D21.
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- Use of digital recorders with pond gages for measuring storm runoff, by J. E. McCall. p. B254-B257.
- Electro-optical calibrator for camera shutters, by T. O. Dando. p. B258-B260.
- *575-C. Geological Survey research 1967, Chapter C. 1967. p. C1-C251. Contains the following articles, which are not available separately:
- Upside-down metamorphic zonation, blueschist facies, along a regional thrust in California and Oregon, by M. C. Blake, Jr., W. P. Irwin, and R. G. Coleman. p. C1-C9.
- The occurrence of green iron-rich muscovite and oxidation during

regional metamorphism in the Grandfather Mountain window, north-western North Carolina, by Bruce Bryant. p. C10-C16.

Tetrasilic dioctahedral micas—celadonite from near Reno, Nev., by M. D. Foster. p. C17-C22.

A computer-based procedure for deriving mineral formulas from mineral analyses, by E. D. Jackson, R. E. Stevens, and R. W. Bowen. p. C23-C31.

Spheroidal weathering of thermally metamorphosed limestone and dolomite, White Mountains, Calif., by V. C. LaMarche, Jr. p. C32-C37.

Rare-earth mineral occurrence in marine evaporites, Paradox basin, Utah, by O. B. Raup, A. J. Gude 3d, and H. L. Groves, Jr. p. C38-C41.

Volcanism and tectonism as reflected by the distribution of nonopaque heavy minerals in some Tertiary rocks of Wyoming and adjacent States, by Yoshiaki Sato and N. M. Denson. p. C42-C54.

Petrology of a late Quaternary potassium-rich andesite flow from Mount Adams, Washington, by R. A. Sheppard. p. C55-C59.

Precambrian wrench fault in central Arizona, by C. A. Anderson. p. C60-C65.

Breccia pipes in the West Tintic and Sheeprock Mountains, Utah, by H. T. Morris and R. W. Kopf. p. C66-C71.

Description and use of an underwater television system on the Atlantic Continental Shelf, by J. E. Eddy, V. J. Henry, John Hoyt, and Edward Bradley. p. C72-C76.

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Activity coefficients from emf measurements, by C. L. Christ and P. B. Hostetler. p. C106-C109.

Possible role of sulfur-oxidizing bacteria in surficial acid alteration near hot springs, by G. G. Ehrlich and Robert Schoen. p. C110-C112.

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Lower Permian plants from the Arroyo Formation in Baylor County, north-central Texas, by S. H. Mamay. p. C120-C126.

Age and regional significance of basal part of Milligen Formation, Lost River Range, Idaho, by C. A. Sandberg, W. J. Mapel, and J. W. Huddle. p. C127-C131.

Spectrographic determination of volatile elements in silicates and carbonates of geologic interest, using an argon d-c arc, by Charles Annell. p. C132-C136.

Determination of phosphorus in silicate rocks by neutron activation, by L. P. Greenland. p. C137-C140.

- Determination of palladium in the parts-per-billion range in rocks, by F. S. Grimaldi and M. M. Schnepfe. p. C141-C144.
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- Analytical approaches to computation of discharge of an ice-covered stream, by K. L. Carey. p. C200-C207.
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- Characteristics of summer base flow of the Potomac River, by R. L. Hanson. p. C212-C215.
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- Hydrogeologic significance of calcium-magnesium ratios in ground water from carbonate rocks in the Lancaster quadrangle, southeastern Pennsylvania, by Harold Meisler and A. E. Becher. p. C232-C235.
- Shoreline features as indicators of high lake levels, by D. D. Knochenmus. p. C236-C241.
- Magnetic tape recording of geophysical logs, by W. S. Keys. p. C242-C246.
- *575-D. Geological Survey research 1967, Chapter D. 1967. p. D1-D297. (Professional Paper 575 issued only as separate chapters under the general title "Geological Survey research 1967.") Chapter D contains the following articles, which are not available separately:
- Northwesterly extension of the Darby thrust in the Snake River

- Range, Wyoming and Idaho, by H. F. Albee, D. A. Jobin, and M. L. Schroeder. p. D1-D3.
- Stratigraphic evidence for the Late Devonian age of the Nation River Formation, east-central Alaska, by E. E. Brabb and Michael Churkin, Jr. p. D4-D15.
- Fossiliferous lower Paleozoic rocks in the Cupsuptic quadrangle, west-central Maine, by D. S. Harwood and W. B. N. Berry. p. D16-D23.
- Physical evidence for Late Cretaceous unconformity, south-central Wyoming, by M. W. Reynolds. p. D24-D28.
- Mississippian depositional provinces in the northern Cordilleran region, by W. J. Sando. p. D29-D38.
- Relation of Nussbaum Alluvium (Pleistocene) to the Ogallala Formation (Pliocene) and to the Platte-Arkansas divide, southern Denver basin, Colorado, by P. E. Soister. p. D39-D46.
- Age of volcanic activity in the San Juan Mountains, Colo., by T. A. Steven, H. H. Mehnert, and J. D. Obradovich. p. D47-D55.
- Callaghan window—A newly discovered part of the Roberts thrust, Toiyabe Range, Lander County, Nev., by J. H. Stewart and A. R. Palmer. p. D56-D63.
- Ordovician tectonism in the Ruby Mountains, Elko County, Nev., by Ronald Willden and R. W. Kistler. p. D64-D75.
- Aragonite and calcite in mollusks from the Pennsylvanian Kendrick Shale (of Jillson) in Kentucky, by E. L. Yochelson, J. S. White, Jr., and Mackenzie Gordon, Jr. p. D76-D78.
- Digital recording and processing of airborne geophysical data, by G. I. Evenden, F. C. Frischknecht, and J. L. Meuschke. p. D79-D84.
- A seismic and gravity profile across the Hueco bolson, Texas, by R. E. Mattick. p. D85-D91.
- The U.S. Geological Survey—LaCoste and Romberg precise borehole gravimeter system—Instrumentation and support equipment, by T. H. McCulloh, L. J. B. LaCoste, J. E. Schoellhamer, and E. H. Pampeyan. p. D92-D100.
- The U.S. Geological Survey—LaCoste and Romberg precise borehole gravimeter system—Test results, by T. H. McCulloh, J. E. Schoellhamer, E. H. Pampeyan, and H. B. Parks. p. D101-D112.
- Use of fan filters in computer analysis of magnetic-anomaly trends, by E. S. Robinson. p. D113-D119.
- Tectonic inclusions from a serpentinite, east-central Alaska, by R. L. Foster. p. D120-D122.
- Preliminary report on sulfide and platinum-group minerals in the chromitites of the Stillwater Complex, Montana, by N. J. Page and E. D. Jackson. p. D123-D126.
- Bismuth and tin minerals in gold- and silver-bearing sulfide ores, Ohio mining district, Marysville, Utah, by A. S. Radtke, C. M. Taylor, and J. E. Frost. p. D127-D130.
- Contraction jointing and vermiculitic alteration of an andesite flow near Lakeview, Oreg., by G. W. Walker. p. D131-D134.
- Geologic evaluation of radar imagery in southern Utah, by R. J. Hackman. p. D135-D142.
- An airborne multispectral television system, by C. J. Robinove and H. E. Skibitzke. p. D143-D146.

- Use of infrared imagery in study of the San Andreas fault system, California, by R. E. Wallace and R. M. Moxham. p. D147-D156.
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- 599-F. Summary of lunar stratigraphy—Telescopic observations, by D. E. Wilhelms. 1970. p. F1-F47. 60¢. (Professional Paper 599 issued only as separate chapters under the general title "Contributions to astrogeology.")
- 600-A. Geological Survey research 1968, Chapter A. 1968. p. A1-A371. \$3.50.
- *600-B. Geological Survey research 1968, Chapter B. 1968. p. B1-B235. Contains the following articles, which are not available separately:
- X-ray and chemical analysis of orthopyroxenes from the lower part of the Bushveld Complex, South Africa, by G. A. Desborough and H. J. Rose, Jr. p. B1-B5.
 - Occurrence and composition of biotites from the Cartridge Pass pluton of the Sierra Nevada batholith, California, by F. C. W. Dodge and J. G. Moore. p. B6-B10.
 - Phosphate nodules from the Wills Point Formation, Hopkins County, Tex., by Charles Milton and A. P. Bennison. p. B11-B15.
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- by R. D. Carroll, F. T. Lee, J. H. Scott, and C. S. Robinson. p. B83-B87.
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- 600-C. Geological Survey research 1968, Chapter C. 1968. p. C1-C225. \$2.25.
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- 600-D. Geological Survey research 1968, Chapter D. 1968. p. D1-D269. \$3.25. (Professional Paper 600 issued only as separate chapters under the general title "Geological Survey research 1968.") Chapter D contains the following articles, which are not available separately:
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- Adsorption of traces of silver on sample containers, by T. T. Chao, E. A. Jenne, and L. M. Heppting. p. D13-D15.
- Prevention of adsorption of trace amounts of gold by containers, by T. T. Chao, E. A. Jenne, and L. M. Heppting. p. D16-D19.
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- 662-A. The hydraulics of overland flow on hillslopes, by W. W. Emmett. 1970. p. A1-A68. 75¢. (Professional Paper 662 issued only as separate chapters under the general title "Dynamic and descriptive studies of hillslopes.")
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- 680-C. Larger Foraminifera from deep drill holes on Midway atoll, by W. S. Cole. 1969. p. C1-C15. 45¢.
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- 680-E. Smaller Foraminifera from Midway drill holes, by Ruth Todd and Doris Low. 1970. p. E1-E49. \$1. (Professional Paper 680 issued only as separate chapters under the general title "Geology of the Midway area, Hawaiian Islands.")
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- 683-B. The Early Cambrian fossil *Salterella conulata* Clark in eastern North America, by E. L. Yochelson. 1970. p. B1-B10. 55¢. (Professional Paper 683 issued only as separate chapters under the general title "Contributions to paleontology.")
696. Ground water in the permafrost regions of Alaska, by J. R. Williams. 1970. 83 p. \$1.
- 700-A. Geological Survey research 1970, Chapter A. 1970 [1971]. p. A1-A426. \$4.
- 700-B. Geological Survey research 1970, Chapter B. 1970. p. B1-B267. \$3.25. Contains the following articles, which are not available separately:
- Copper in biotite from igneous rocks in southern Arizona as an ore indicator, by T. G. Lovering, J. R. Cooper, Harald Drewes, and G. C. Cone. p. B1-B8.
 - Relation of carbon dioxide content of apatite of the Phosphoria Formation to regional facies, by R. A. Gulbrandsen. p. B9-B13.
 - Extensive zeolitization associated with hot springs in central Colorado, by W. N. Sharp. p. B14-B20.
 - Mafic and ultramafic rocks from a layered pluton at Mount Fairweather, Alaska, by George Plafker and E. M. MacKevett, Jr. p. B21-B26.
 - Authigenic kaolinite in sand of the Wilcox Formation, Jackson Purchase region, Kentucky, by J. D. Sims. p. B27-B32.
 - Blueschist and related greenschist facies rocks of the Seward Peninsula, Alaska, by C. L. Sainsbury, R. G. Coleman, and Reuben Kachadoorian. p. B33-B42.
 - Allochthonous Paleozoic blocks in the Tertiary San Luis-Upper Arkansas graben, Colorado, by R. E. Van Alstine. p. B43-B51.
 - Calculated in situ bulk densities from subsurface gravity observations and density logs, Nevada Test Site and Hot Creek Valley, Nye County, Nev., by D. L. Healey. p. B52-B62.
 - Geologic and gravity evidence for a buried pluton, Little Belt Mountains, central Montana, by I. J. Witkind, M. D. Kleinkopf, and W. R. Keefer. p. B63-B65.
 - Magnetic and gravity features of the western Franciscan and Salinian basement terranes between Cape San Martin and San Luis Obispo, Calif., by W. F. Hanna. p. B66-B77.
 - Reconnaissance geophysical studies of the Trinidad quadrangle, south-central Colorado, by M. D. Kleinkopf, D. L. Peterson, and R. B. Johnson. p. B78-B85.

- Whole-rock Rb-Sr age of the Pikes Peak batholith, Colorado, by C. E. Hedge. p. B86-B89.
- Distribution of uranium in uranium-series dated fossil shells and bones shown by fission tracks, by B. J. Szabo, J. R. Dooley, Jr., R. B. Taylor, and J. N. Rosholt. p. B90-B92.
- Iron deposits of the Estes Creek area, Lawrence County, S. Dak., by R. W. Bayley. p. B93-B101.
- High-calcium limestone deposits in Lancaster County, southeastern Pennsylvania, by A. E. Becher and Harold Meisler. p. B102-B104.
- Geology and mineral potential of the Adobe Range, Elko Hills, and adjacent areas, Elko County, Nev., by K. B. Ketner. p. B105-B108.
- Early Permian plants from the Cutler Formation in Monument Valley, Utah, by S. H. Mamay and W. J. Breed. p. B109-B117.
- Stratigraphic micropaleontology of the type locality of the White Knob Limestone (Mississippian), Custer County, Idaho, by Betty Skipp and B. L. Mamet. p. B118-B123.
- Triassic conodonts from Israel, by J. W. Huddle. p. B124-B130.
- Middle Pleistocene Leporidae from the San Pedro Valley, Ariz., by J. S. Downey. p. B131-B136.
- New discoveries of Pleistocene bison and peccaries in Colorado, by G. E. Lewis. p. B137-B140.
- Geology of new occurrences of Pleistocene bison and peccaries in Colorado, by G. R. Scott and R. M. Lindvall. p. B141-B149.
- Clay mineralogy of selected samples from the middle Miocene formations of southern Maryland, by Karl Stefansson and J. P. Owens. p. B150-B156.
- The Gardiners Clay of eastern Long Island, N.Y.—A reexamination, by J. E. Upson. p. B157-B160.
- Settling velocity of grains of quartz and other minerals in sea water versus pure water, by C. I. Winegard. p. B161-B166.
- The glaciated shelf off northeastern United States, by R. N. Oldale and Elazar Uchupi. p. B167-B173.
- Determination of cobalt in geologic materials by solvent extraction and atomic absorption spectrometry, by Wayne Mountjoy. p. B174-B176.
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- The fluorimetric method—Its use and precision for determination of uranium in the ash of plants, by Claude Huffman, Jr., and L. B. Riley. p. B181-B183.
- Chemical extraction of an organic material from a uranium ore, by M. L. Jacobs, C. G. Warren, and H. C. Granger. p. B184-B186.
- A die for pelletizing samples for X-ray fluorescence analysis, by B. P. Fabbi. p. B187-B189.
- Transmissivity and storage coefficient of aquifers in the Fox Hills Sandstone and the Hell Creek Formation, Mercer and Oliver Counties, N. Dak., by M. G. Croft and E. A. Wesolowski. p. B190-B195.
- Preliminary analysis of rate of movement of storm runoff through the zone of aeration beneath a recharge basin on Long Island, N.Y., by G. E. Seaburn. p. B196-B198.

- Ground-water inflow toward Jordan Valley from Utah Valley through valley fill near the Jordan Narrows, Utah, by R. W. Mower. p. B199-B202.
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- Meandering of the Arkansas River since 1833 near Bent's Old Fort, Colo., by F. A. Swenson. p. B210-B213.
- Trends in runoff, by P. H. Carrigan, Jr., and E. D. Cobb. p. B214-B218.
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- Dosage requirements for slug injections of Rhodamine BA and WT dyes, by F. A. Kilpatrick. p. B250-B253.
- Comparison of a propeller flowmeter with a hot-film anemometer in measuring turbulence in movable-boundary open-channel flows, by J. P. Bennett and R. S. McQuivey. p. B254-B262.
- 700-C. Geological Survey research 1970, Chapter C. 1970. p. C1-C251. \$3.25. Contains the following articles, which are not available separately:
- Spatial relation of mineral deposits to Tertiary volcanic centers in Nevada, by J. P. Albers and F. J. Kleinhampl. p. C1-C10.
- Quaternary faulting and potential earthquakes in east-central Colorado, by G. R. Scott. p. C11-C18.
- Reconnaissance geology and economic significance of the Platoro caldera, southeastern San Juan Mountains, Colo., by P. W. Lipman and T. A. Steven. p. C19-C29.
- Gold distribution on the Carolina continental margin—A preliminary report, by O. H. Pilkey and B. D. Bornhold. p. C30-C34.
- Detrital gold and sediments in Nuka Bay, Alaska, by Erk Reimnitz, Roland von Huene, and F. F. Wright. p. C35-C42.
- Rutile in the Harford County, Md., serpentinite belt, by Norman Herz and L. B. Valentine. p. C43-C48.
- Phosphate occurrences in Nye County and adjacent areas, Nevada, by C. L. Rogers, F. J. Kleinhampl, J. I. Ziony, and Walter Danilchik. p. C49-C60.
- Phlogopite and actinolite in latitic dike rocks, Bingham mining district, Utah, by W. J. Moore. p. C61-C69.

- On-land Mesozoic oceanic crust in California Coast Ranges, by E. H. Bailey, M. C. Blake, Jr., and D. L. Jones. p. C70-C81.
- Composite dikes in the Little Belt Mountains, central Montana, by I. J. Witkind. p. C82-C88.
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- A corundum occurrence in the eastern Alaska Range, Alaska, by D. H. Richter. p. C98-C102.
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- Application of magnetic and electrical resistivity methods to placer investigations in the Fairbanks district, Alaska, by L. A. Anderson and G. R. Johnson. p. C107-C113.
- Gravity anomalies in Cache Valley, Cache and Box Elder Counties, Utah, and Bannock and Franklin Counties, Idaho, by D. L. Peterson and S. S. Oriel. p. C114-C118.
- Thickness of unconsolidated to semiconsolidated sediments in Jordan Valley, Utah, by R. E. Mattick. p. C119-C124.
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- Thorium- and titanium-bearing organic material in the Dakota Sandstone near Durango, Colo., by R. S. Houston and J. F. Murphy. p. C138-C144.
- K-Ar ages of lamprophyre dikes near Great Falls, Maryland-Virginia, by J. C. Reed, Jr., R. F. Marvin, and J. H. Mangum. p. C145-C149.
- K-Ar age of the lower part of the Browns Park Formation, northwestern Colorado, by G. A. Izett, N. M. Denson, and J. D. Obradovich. p. C150-C152.
- Lunar crater morphology and relative-age determination of lunar geologic units—Part 1. Classification, by H. A. Pohn and T. W. Offield. p. C153-C162.
- Lunar crater morphology and relative-age determination of lunar geologic units—Part 2. Applications, by T. W. Offield and H. A. Pohn. p. C163-C169.
- Age and stratigraphy of the Heceta Limestone in northern Sea Otter Sound, southeastern Alaska, by A. T. Ovenshine and G. D. Webster. p. C170-C174.
- The Hondo Sandstone Member of the San Andres Limestone of south-central New Mexico, by R. L. Harbour. p. C175-C182.
- A microprocedure for the determination of carbon dioxide in minerals, by Robert Meyrowitz. p. C183-C185.
- A rapid method for the determination of fluoride in rocks and soils, using an ion-selective electrode, by W. H. Ficklin. p. C186-C188.
- Effects of urbanization on the quality of selected streams in southern Nassau County, Long Island, N.Y., by Ellis Koch. p. C189-C192.
- Use of channel slope and discharge to determine reaeration co-

- efficients for the Elkhorn River in Nebraska, by K. A. Mac Kichan, N. G. Stuthmann, and Ray Bentall. p. C193-C197.
- Rock movement triggered by a water-level change in the Brunswick area, Georgia, by D. O. Gregg. p. C198-C201.
- Notes on the position of a phosphate zone and its relation to ground water in coastal Georgia, by R. L. Wait. p. C202-C205.
- Nonsteady inflow to a chamber within a thick aquitard, by W. W. Dudley, Jr. p. C206-C211.
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- The use of automated titrimetry for analyses of natural water, by M. J. Fishman and R. F. Pascoe. p. C222-C225.
- Automated potentiometric determination of chloride in water, by M. J. Fishman and O. J. Feist, Jr. p. C226-C228.
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- A method of estimating annual suspended-sediment discharge, by L. M. Nelson. p. C233-C236.
- Evaluation of installation methods for neutron-meter access tubes, by W. E. Teasdale and A. I. Johnson. p. C237-C241.
- Analysis of ice movement at the Pole Station, Antarctica, by W. H. Chapman and W. J. Jones. p. C242-C246.
- 700-D. Geological Survey research 1970, Chapter D. 1970 [1971]. p. D1-D317. \$3.75 (Professional Paper 700 issued only as separate chapters under the general title "Geological Survey research 1970.") Chapter D contains the following articles, which are not available separately:
- Lateral displacement on the Garlock fault, southeastern California, suggested by offset sections of similar metasedimentary rocks, by G. I. Smith and K. B. Ketner. p. D1-D9.
- Apollo 7 photography in Antofagasta Province, Chile—An interpretation, by Kenneth Segerstrom. p. D10-D17.
- Limestone turbidite of Kinderhook age and its tectonic significance, Elko County, Nev., by K. B. Ketner. p. D18-D22.
- Stratigraphy and geochronology of Miocene volcanic rocks in northwestern Nevada, by D. C. Noble, E. H. McKee, J. G. Smith, and M. K. Korringa. p. D23-D32.
- Outlier of Caseyville Sandstone near Princeton, Ky., may be Bethel Sandstone, by J. J. Connor and R. D. Trace. p. D33-D35.
- Pleistocene stratigraphy observed in a pipeline trench in east-central Connecticut and its bearing on the two-till problem, by M. H. Pease, Jr. p. D36-D48.
- Deltaic deposits of the Borden Formation in central Kentucky, by W. L. Peterson and R. C. Kepferle. p. D49-D54.
- Local stratigraphic and tectonic significance of *Leptoceratops*, a Cretaceous dinosaur in the Pinyon Conglomerate, northwestern Wyoming, by M. C. McKenna and J. D. Love. p. D55-D61.

- Pendent didymograptids from northern Arkansas, by W. B. N. Berry. p. D62-D70.
- Occurrence of the Late Cretaceous ammonites *Didymoceras stevensoni* (Whitfield) and *Exiteloceras jenneyi* (Whitfield) in Delaware, by W. A. Cobban. p. D71-D76.
- Palynology of some upper Quaternary peat samples from the New Jersey coastal plain, by L. A. Sirkin, J. P. Owens, J. P. Minard, and Meyer Rubin. p. D77-D78.
- Source areas of Lower Mississippian red beds in eastern midcontinent, by E. G. Sable. p. D88-D91.
- Modification of potassium-argon ages by Tertiary thrusting in the Snake Range, White Pine County, Nev., by D. E. Lee, R. F. Marvin, T. W. Stern, and Z. E. Peterman. p. D92-D102.
- Gas chromatographic determination of carbonate carbon in rocks and minerals, by John Marinenko and Irving May. p. D103-D105.
- "Catoclin Schist" analysis—Its true identity, by Marjorie Hooker. p. D106-D107.
- Potassium and rubidium in granitic rocks of central California, by F. C. W. Dodge, B. P. Fabbri, and D. C. Ross. p. D108-D115.
- Changing patterns of thermal emission from Surtsey, Iceland, between 1966 and 1969, by J. D. Friedman and R. S. Williams, Jr. p. D116-D124.
- Induced polarization ... resistivity surveys on Cleary Summit, Alaska, by L. A. Anderson and G. R. Johnson. p. D125-D128.
- Geologic interpretation of a residual aeromagnetic map of the Nixon Fork district, Alaska, by L. A. Anderson, B. L. Reed, and G. R. Johnson. p. D129-D133.
- Placer gold of unique fineness in Douglas and Elbert Counties, Colo., by G. A. Desborough, W. H. Raymond, and Courtney Soule. p. D134-D139.
- Potash in halitic evaporites, Salt Range, West Pakistan, by C. L. Jones. p. D140-D145.
- Gold resource potential of the Denali bench gravels, Valdez Creek mining district, Alaska, by T. E. Smith. p. D146-D152.
- Peat resources of the unglaciated uplands along the Allegheny structural front in West Virginia, Maryland, and Pennsylvania, by C. C. Cameron. p. D153-D161.
- A sphalerite vein and associated geochemical anomalies in St. Lawrence County, N.Y., by C. E. Brown. p. D162-D168.
- Uranium-rich monazites in the United States, by W. C. Overstreet, A. M. White, and J. J. Warr, Jr. p. D169-D175.
- Calcic siliceous chabazite from the John Day Formation, Grant County, Oreg., by R. A. Sheppard and A. J. Gude 3d. p. D176-D180.
- Nonopaque heavy minerals from sandstones of Eocene age in the Washakie Basin, Wyo., by H. W. Roehler. p. D181-D187.
- Occurrence of laumontite in Tertiary sandstones of the central Coast Ranges, Calif., by B. M. Madsen and K. J. Murata. p. D188-D195.
- Biotites from hybrid granitoid rocks of the southern Snake Range, Nev., by D. E. Lee and R. E. Van Loenen. p. D196-D206.
- Influence of grain size on percentages of ThO₂ and U₃O₈ in detrital

- monazite from North Carolina and South Carolina, by W. C. Overstreet, J. J. Warr, Jr., and A. M. White. p. D207-D216.
- Determination of acid-soluble and total manganese in geological and botanical materials by atomic absorption, by M. A. Chaffee. p. D217-D221.
- Determination of lead in rocks and minerals after extraction with diethylammonium diethyldithiocarbamate, by L. B. Jenkins and Roosevelt Moore. p. D222-D224.
- A pyrocatechol violet spectrophotometric procedure for the direct microdetermination of aluminum in silicate minerals, by Robert Meyrowitz. p. D225-D229.
- Some techniques for photographing fossils, by Kenji Sakamoto. p. D230-D232.
- Bearing capacity of lunar surface materials, by G. L. Martin. p. D233-D237.
- Synthesizing hydrographs for small semiarid drainage basins, by G. S. Craig, Jr. p. D238-D243.
- Evaluation of the streamflow data program for Arkansas, by J. L. Patterson. p. D244-D256.
- The pre-Quaternary surface in the Jordan Valley, Utah, by Ted Arnow, Richard Van Horn, and Reed LaPray. p. D257-D261.
- The effect of stream discharge on streambed leakage to a glacial outwash aquifer, by S. E. Norris. p. D262-D265.
- A method for relating infiltration rates to streamflow rates in perched streams, by D. E. Burkham. p. D266-D271.
- Specific conductance as a means of estimating ionic strength, by C. J. Lind. p. D272-D280.
- Status of salt-water encroachment in 1969 in southern Nassau and southeastern Queens Counties, Long Island, N.Y., by Philip Cohen and G. E. Kimmel. p. D281-D286.
- Vertical molecular diffusion of xenon-133 gas after injection underground, by J. B. Robertson. p. D287-D300.
- Retention time and circulation study in a sewage stabilization lagoon, by W. G. Stamper. p. D301-D304.
- An evaluation of analog techniques for image registration, by R. B. McEwen. p. D305-D311.
713. Mercury in the environment. 1970. 67 p. 70¢.

BULLETINS

[In the present listing, an asterisk (*) indicates that the paper is out of print. In "Publications of the Geological Survey, 1879-1961," all bulletins are out of print except 848, \$1.25; 914; 937; and 1042-G, 35¢]

- *1028-S. Geology of Unalaska Island and adjacent insular shelf, Aleutian Islands, Alaska, by Harald Drewes, G. D. Fraser, G. L. Snyder, and H. F. Barnett, Jr. 1961 [1962]. p. 583-676. (Bulletin 1028 issued only as separate chapters under the general title "Investigations of Alaskan volcanoes.")
- *1031-B. Geologic investigations of proposed powersites at Baranof and Carbon Lakes, Baranof Island, Alaska, by K. S. Soward. 1961 [1962]. p. 25-46.
- *1031-C. Geology of waterpower sites on the Bradley River, Kenai Peninsula, Alaska, by K. S. Soward. 1962. p. 47-70.
- *1031-D. Geology of waterpower sites on Crater Lake, Long Lake, and Speel River near Juneau, Alaska, by J. C. Miller. 1962. p. 71-101.
- *1031-E. Geology of waterpower sites on Scenery, Cascade, and Delta Creeks near Petersburg, Alaska, by J. C. Miller. 1962. p. 103-125.
- *1031-F. Geologic investigations of proposed powersites at Sheep Creek, Carlson Creek, and Turner Lake, Alaska, by George Plafker. 1962. p. 127-148. (Bulletin 1031 issued only as separate chapters under the general title "Geology of waterpower sites in Alaska.")
- *1037. No additional chapters will be published in the series, "Geological investigations in the American Republics."
- *1043-E. Recognition criteria of igneous and metamorphic rocks on aerial photographs of Chichagof and Kruzof Islands, southeastern Alaska, by J. S. Pomeroy. 1964. p. 87-110. (Bulletin 1043 issued only as separate chapters under the general title "Procedures and studies in photo-geology." Chapter E includes title page and contents for volume.)
- *1047-B. Geology and coal resources of the Salyersville North quadrangle, Magoffin, Morgan, and Johnson Counties, Ky., by W. L. Adkison and J. E. Johnston. 1963. p. 25-55. (Bulletin 1047 issued only as separate chapters under the general title "Geology of the Dingus area, Kentucky." Chapter B includes title page and contents for volume.)
- *1063-B. Geology of the Dewey quadrangle, Wyoming-South Dakota, by D. A. Brobst. 1961 [1962]. p. 13-60.
- *1063-C. Geologic environment of an oxidized uranium deposit in the Black Hills, S. Dak., by N. P. Cuppels. 1962. p. 61-83.
- *1063-D. Geology of the Angostura Reservoir quadrangle, Fall River County, S. Dak., by J. J. Connor. 1963. p. 85-126.
- *1063-E. Geology of the Edgemont NE quadrangle, Fall River and Custer Counties, S. Dak., by G. B. Gott and R. W. Schnabel. 1963. p. 127-190.
- *1063-F. Geology of the Burdock quadrangle, Fall River and Custer Counties, S. Dak., by R. W. Schnabel. 1963. p. 191-215.
- *1063-G. Geology of the Jewel Cave SW quadrangle, Custer County, S. Dak., by W. A. Braddock. 1963 [1964]. p. 217-268.

- *1063-H. Geology of the Clifton quadrangle, Wyoming and South Dakota, by N. P. Cuppels. 1963. p. 271-321.
- *1063-I. Geology of the Fanny Peak quadrangle, Wyoming-South Dakota, by D. A. Brobst and J. B. Epstein. 1963 [1964]. p. 323-377.
- *1063-J. Geology of the Edgemont quadrangle, Fall River County, S. Dak., by J. D. Ryan. 1964. p. 379-426.
- *1063-K. Geology of the Hot Springs quadrangle, Fall River and Custer Counties, S. Dak., by D. E. Wolcott. 1967. p. 427-442.
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- *1330-G. Water requirements of the petroleum refining industry, by L. E. Otts, Jr. 1963. p. 287-340.
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- 1899–L. A preliminary evaluation of bank storage associated with Libby Reservoir in northwestern Montana, by D. L. Coffin, 1970. p. L1–L25. 25¢. (Water-Supply Paper 1899 issued only as separate chapters under the general title “Contributions to the hydrology of the United States, 1969.”)
1901. Surface water supply of the United States, 1961–65—Part 1, North Atlantic slope basins—Volume 1, Basins from Maine to Connecticut. 1969 [1970]. 1027 p. \$4.75.

1902. Surface water supply of the United States, 1961-65—Part 1, North Atlantic slope basins—Volume 2, Basins from New York to Delaware. 1970. 924 p. \$4.25.
1903. Surface water supply of the United States, 1961-65—Part 1, North Atlantic slope basins—Volume 3, Basins from Maryland to York River. 1970. 850 p. \$4.
1904. Surface water supply of the United States, 1961-65—Part 2, South Atlantic slope and eastern Gulf of Mexico basins—Volume 1, Basins from James River to Savannah River. 1970. 942 p. \$4.25.
1916. Surface water supply of the United States, 1961-65—Part 6, Missouri River basin—Volume 1, Missouri River basin above Williston, N. Dak. 1969. 800 p. \$3.75.
1917. Surface water supply of the United States, 1961-65—Part 6, Missouri River basin—Volume 2, Missouri River basin from Williston, N. Dak., to Sioux City, Iowa. 1969. 560 p. \$3.
1918. Surface water supply of the United States, 1961-65—Part 6, Missouri River basin—Volume 3, Missouri River basin from Sioux City, Iowa, to Nebraska City, Nebr. 1969. 751 p. \$3.75.
1919. Surface water supply of the United States, 1961-65—Part 6, Missouri River basin—Volume 4, Missouri River basin below Nebraska City, Nebr. 1969. 805 p. \$3.75.
1920. Surface water supply of the United States, 1961-65—Part 7, Lower Mississippi River basin—Volume 1, Lower Mississippi River basin except Arkansas River basin. 1969. 1103 p. \$5.
1921. Surface water supply of the United States, 1961-65—Part 7, Lower Mississippi River basin—Volume 2, Arkansas River basin. 1969. 878 p. \$4.
1922. Surface water supply of the United States, 1961-65—Part 8, Western Gulf of Mexico basins—Volume 1, Basins from Mermentau River to Colorado River. 1969 [1970]. 967 p. \$4.50.
1923. Surface water supply of the United States, 1961-65—Part 8, Western Gulf of Mexico basins—Volume 2, Basins from Lavaca River to Rio Grande. 1970. 786 p. \$4.
1924. Surface water supply of the United States, 1961-65—Part 9, Colorado River basin—Volume 1, Colorado River basin above Green River. 1970. 488 p. \$2.75.
1925. Surface water supply of the United States, 1961-65—Part 9, Colorado River basin—Volume 2, Colorado River basin from Green River to Compact Point. 1970. 618 p. \$3.25.
1926. Surface water supply of the United States, 1961—Part 9, Colorado River basin—Volume 3, Lower Colorado River basin. 1970. 571 p. \$2.50.
1927. Surface water supply of the United States, 1961-65—Part 10, The Great Basin. 1970. 978 p. \$4.50.
1928. Surface water supply of the United States, 1961-65—Part 11, Pacific slope basins in California—Volume 1, Basins from Tia Juana River to Santa Maria River. 1970. 501 p. \$2.75.
1929. Surface water supply of the United States, 1961-65—Part 11, Pacific slope basins in California—Volume 2, Basins from Arroyo Grande to Oregon State line except Central Valley. 1970. 673 p. \$3.25.
1930. Surface water supply of the United States, 1961-65—Part 11, Pacific

- slope basins in California—Volume 3, Southern Central Valley basins. 1970. 655 p. \$3.25.
- 1939-B. Depletion of streamflow by infiltration in the main channels of the Tucson basin, southeastern Arizona, by D. E. Burkham. 1970. p. B1-B36. 65¢. (Water-Supply Paper 1939 issued only as separate chapters under the general title "Water resources of the Tucson basin.")
- *1941. Quality of surface waters of the United States, 1962—Parts 1 and 2, North Atlantic slope basins and south Atlantic slope and eastern Gulf of Mexico basins. Prepared under the direction of S. K. Love, Chief, Quality of Water Branch. 1964. 434 p.
- *1942. Quality of surface waters of the United States, 1962—Parts 3 and 4, Ohio River basin and St. Lawrence River basin. Prepared under the direction of S. K. Love, Chief, Quality of Water Branch. 1964. 322 p.
1943. Quality of surface waters of the United States, 1962—Parts 5 and 6, Hudson Bay and upper Mississippi River basins and Missouri River basin. Prepared under the direction of S. K. Love, Chief, Quality of Water Branch. 1964. 413 p. \$1.50.
- *1944. Quality of surface waters of the United States, 1962—Parts 7 and 8, Lower Mississippi River basin and western Gulf of Mexico basins. Prepared under the direction of S. K. Love, Chief, Quality of Water Branch. 1964. 645 p.
- *1945. Quality of surface waters of the United States, 1962—Parts 9-14, Colorado River basin to Pacific slope basins in Oregon and lower Columbia River basin. Prepared under the direction of S. K. Love, Chief, Quality of Water Branch. 1964. 691 p.
1946. Quality of surface waters for irrigation, Western States, 1962. Prepared under the direction of S. K. Love, Chief, Quality of Water Branch. 1966. 143 p. \$1.
- *1947. Quality of surface waters of the United States, 1963—Parts 1 and 2, North Atlantic slope basins and south Atlantic slope and eastern Gulf of Mexico basins. Prepared under the direction of S. K. Love, Chief, Quality of Water Branch. 1967. 472 p.
- *1948. Quality of surface waters of the United States, 1963—Parts 3 and 4, Ohio River basin and St. Lawrence River basin. Prepared under the direction of S. K. Love, Chief, Quality of Water Branch. 1965. 390 p.
1949. Quality of surface waters of the United States, 1963—Parts 5 and 6, Hudson Bay and upper Mississippi River basins and Missouri River basin. Prepared under the direction of S. K. Love, Chief, Quality of Water Branch. 1966. 411 p. \$1.50.
- *1950. Quality of surface waters of the United States, 1963—Parts 7 and 8, Lower Mississippi River basin and western Gulf of Mexico basins. Prepared under the direction of S. K. Love, Chief, Quality of Water Branch. 1966. 635 p.
- *1951. Quality of surface waters of the United States, 1963—Parts 9-14, Colorado River basin to Pacific slope basins in Oregon and lower Columbia River basin. Prepared under the direction of S. K. Love, Chief, Quality of Water Branch. 1966. 781 p.
- *1952. Quality of surface waters for irrigation, Western States, 1963. Prepared under the direction of S. K. Love, Chief, Quality of Water Branch. 1967. 148 p.

- *1953. Quality of surface waters of Alaska, 1961-63. Prepared under the direction of S. K. Love, Chief, Quality of Water Branch. 1965. 95 p.
- 1954. Quality of surface waters of the United States, 1964—Parts 1 and 2, North Atlantic slope basins and south Atlantic slope and eastern Gulf of Mexico basins. 1969. 606 p. \$2.75.
- 1955. Quality of surface waters of the United States, 1964—Parts 3 and 4, Ohio River basin and St. Lawrence River basin. 1969. 440 p. \$2.
- 1956. Quality of surface waters of the United States, 1964—Parts 5 and 6, Hudson Bay and upper Mississippi River basins, and Missouri River basin. 1969. 462 p. \$2.
- 1957. Quality of surface waters of the United States, 1964—Parts 7 and 8, Lower Mississippi River basin and western Gulf of Mexico basins. 1969. 602 p. \$2.50.
- 1958. Quality of surface waters of the United States, 1964—Parts 9-11, Colorado River basin to Pacific slope basins in California. 1969 [1970]. 615 p. \$2.75.
- 1959. Quality of surface waters of the United States, 1964—Parts 12-15, Pacific slope basins in Washington and upper Columbia River basin to Alaska. 1970. 428 p. \$2.
- 1960. Quality of surface waters for irrigation, Western States, 1964. 1969. 144 p. \$1.
- 1961. Quality of surface waters of the United States, 1965—Parts 1 and 2, North Atlantic slope basins and south Atlantic slope and eastern Gulf of Mexico basins. 1970. 779 p. \$3.25.
- 1962. Quality of surface waters of the United States, 1965—Parts 3 and 4, Ohio River basin and St. Lawrence River basin. 1970. 480 p. \$2.25.
- 1963. Quality of surface waters of the United States, 1965—Parts 5 and 6, Hudson Bay and upper Mississippi River basins and Missouri River basin. 1970. 548 p. \$2.50.
- 1964. Quality of surface waters of the United States, 1965—Parts 7 and 8, Lower Mississippi River basin and western Gulf of Mexico basins. 1970. 819 p. \$3.50.
- 1965. Quality of surface waters of the United States, 1965—Parts 9-11, Colorado River basin to Pacific slope basins in California. 1970. 678 p. \$3.
- 1966. Quality of surface waters of the United States, 1965—Parts 12-16, Pacific slope basins in Washington and upper Columbia River basin to Hawaii and other Pacific areas. 1970. 462 p. \$2.
- 1967. Quality of surface waters for irrigation, Western States, 1965. 148 p. \$1.
- 1971. Methods and applications of electrical simulation in ground-water studies in the lower Arkansas and Verdigris River valleys, Arkansas and Oklahoma, by M. S. Bedinger, J. E. Reed, C. J. Wells, and B. F. Swafford. 1970. 71 p. \$1.
- 1972. The Lake Tahoe basin, California-Nevada, by J. R. Crippen and B. R. Pavelka. 1970. 56 p. 40¢.
- 1975. Generalization of streamflow characteristics from drainage-basin characteristics, by D. M. Thomas and M. A. Benson. 1970. 55 p. 35¢.
- 1976. Ground-water levels in the United States, 1962-66—North-Central States. Prepared under the direction of C. L. McGuinness, Chief, Ground Water Branch. 1969. 117 p. 55¢.

1977. Ground-water levels in the United States, 1963-67—Northeastern States. 1970. 238 p. \$1.
1981. Electrical-analog-model study of water resources of the Columbus area, Bartholomew County, Ind., by F. A. Watkins, Jr., and J. E. Heisel. 1970. 22 p. \$1.25.
1984. Hydrologic effects of floodwater-retarding structures on Garza-Little Elm Reservoir, Tex., by C. R. Gilbert and S. P. Sauer. 1970. 95 p. \$1.75.
1990. Annotated bibliography on artificial recharge of ground water, 1955-67, by D. C. Signor, D. J. Growitz, and William Kam. 1970. 141 p. 65¢.
- 1999-E. Mean annual runoff as related to channel geometry of selected streams in California, by E. R. Hedman. 1970. p. E1-E17. 25¢. (Water-Supply Paper 1999 issued only as separate chapters under the general title "Contributions to the hydrology of the United States, 1970.")
- *2001-B. Detergents and associated contaminants in ground water at three public-supply well fields in southwestern Suffolk County, Long Island, N.Y., by N. M. Perlmutter and A. A. Guerrero. 1970. p. B1-B22.
- 2001-C. Effects of urban development on floods in northern Virginia, by D. G. Anderson. 1970. p. C1-C22. 25¢. (Water-Supply Paper 2001 issued only as separate chapters under the general title "Water in the urban environment.")
- *2002. Water in urban planning, Salt Creek basin, Illinois—Water management as related to alternative land-use practices, by A. M. Spieker. 1970. 147 p.

TABLE 1.—*Reports containing records of quality of surface waters of the United States, 1958-65*

[The area included in each part is listed below and shown on the maps, p. 176]

Report	Parts 1-2		Parts 1-4		Parts 3-4		Parts 5-6		Parts 7-8		Parts 9-11		Parts 9-14		Parts 12-15		Parts 12-16		Alaska		
year	No.	Price	No.	Price	No.	Price	No.	Price	No.	Price	No.	Price	No.	Price	No.	Price	No.	Price	No.	Price	
1958	----	----	1571	\$2.50	----	----	1572	1.25	1573	2.00	----	----	1574	1.75	----	----	----	----	----	----	
1959	1641	1.50	----	----	1642	1.00	1643	1.00	1644	1.75	----	----	1645	1.75	----	----	----	----	¹ 1640	0.50	
1960	1741	1.50	----	----	1742	1.25	1743	1.00	1744	1.00	----	----	1745	2.00	----	----	----	----	¹ 1720	.50	
1961	1881	1.50	----	----	1882	1.50	1883	1.25	1884	2.00	----	----	1885	2.25	----	----	----	----	}	1953	.35
1962	1941	1.50	----	----	1942	1.25	1943	1.50	1944	2.00	----	----	1945	2.25	----	----	----	----			
1963	1947	1.50	----	----	1948	1.25	1949	1.50	1950	2.00	----	----	1951	2.50	----	----	----	----			
1964	1954	2.75	----	----	1955	2.00	1956	2.00	1957	2.50	1958	2.75	----	----	1959	2.00	----	----	----	----	
1965	1961	3.25	----	----	1962	2.25	1963	2.50	1964	3.50	1965	3.00	----	----	----	----	1966	2.00	----	----	

¹ Contains data on quantity of water.

TABLE 2.—*Reports containing records of water levels and artesian pressure in observation wells in the United States, 1956-67*

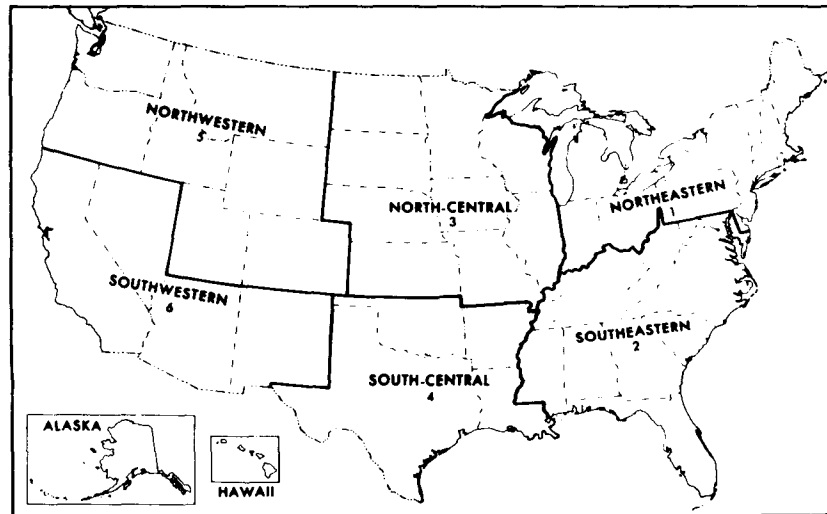
[The area included in each part is listed below and shown on the map]

Report year	Part 1		Part 2		Part 3		Part 4		Part 5		Part 6	
	No.	Price	No.	Price	No.	Price	No.	Price	No.	Price	No.	Price
1956-58 ¹			1538	\$.70								
1956-59							1549	.70				
1956-60									1760	1.00	1770	.60
1957-61					1781	.60						
1958-62	1782	1.00										
1959-63			1803	1.00								
1960-64							1824	.45				
1961-65									1845	1.00	1855	.60
1962-66					1976	.55						
1963-67	1977	1.00										

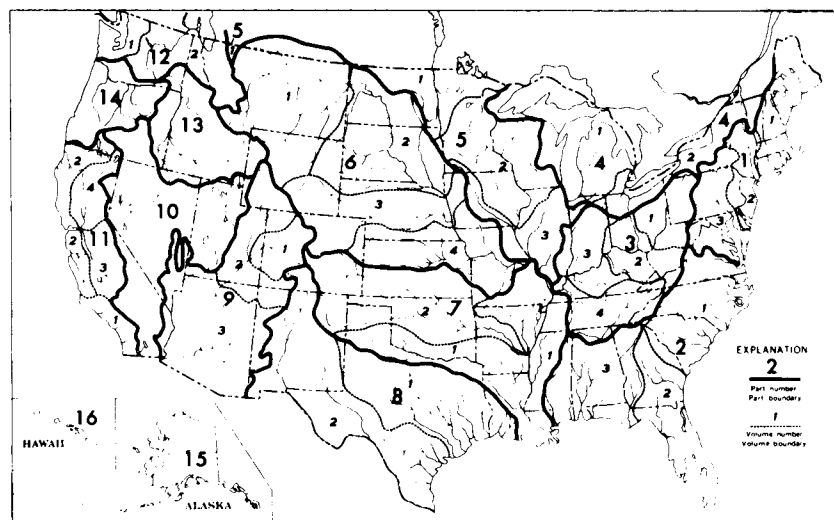
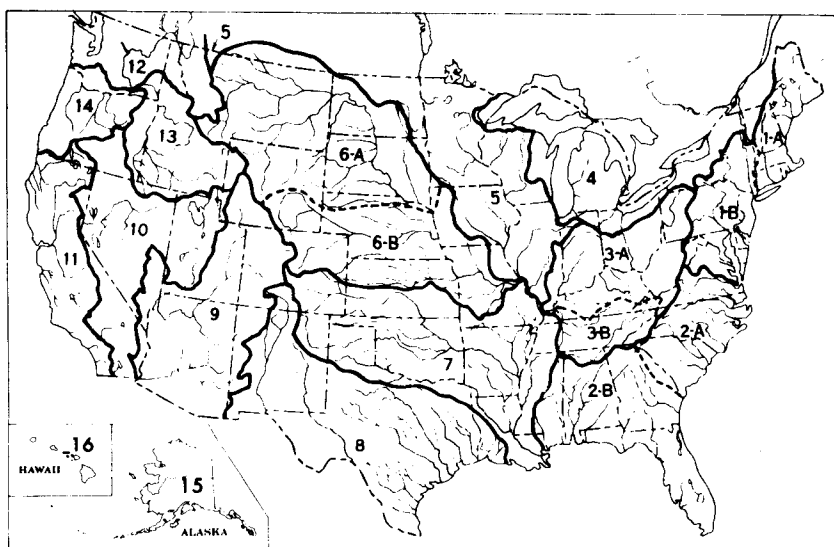
¹ Records of water levels are reported in Water-Supply Papers entitled, "Ground-Water Levels in the United States," in 6 parts or geographical sections of the country. Formerly an annual series, the current publication program provides for 5 years of record in 1 volume for each geographical section. The calendar years 1956 to 1960 span a transition period whereby 4 of the volumes will not contain 5 years of record.

Part 1. Northeastern States.
2. Southeastern States.
3. North-Central States.

4. South-Central States.
5. Northwestern States.
6. Southwestern States.



Map showing areas designated by reports containing records of water levels and artesian pressure in observation wells in the United States, 1956-67.



Maps showing areas designated by parts of reports containing records of streamflow in the United States for 1960 (above) and 1961-65 (below). (See chart on facing page.)

*Areas designated by parts of reports containing records of streamflow
in the United States, 1960-65*

Letter and name	Volume and name
Part 1. North Atlantic slope basins (St. John River to York River)	
A. Maine to Connecticut.	1. Basins from Maine to Connecticut.
B. New York to York River.	2. Basins from New York to Delaware. 3. Basins from Maryland to York River.
Part 2. South Atlantic slope and eastern Gulf of Mexico basins (James River to Pearl River)	
A. James River to Savannah River.	1. Basins from James River to Savannah River.
B. Ogeechee River to Pearl River.	2. Basins from Ogeechee River to Carabelle River. 3. Basins from Apalachicola River to Pearl River.
Part 3. Ohio River basin	
A. Ohio River basin except Cumberland and Tennessee River basin.	1. Ohio River basin above Kanawha River. 2. Ohio River basin from Kanawha River to Louisville, Ky. 3. Ohio River basin from Louisville, Ky., to Wabash River.
B. Cumberland and Tennessee River basins.	4. Ohio River basin below Wabash River.
Part 4. St. Lawrence River basin	
	1. Basins of streams tributary to Lakes Superior, Michigan, and Huron. 2. St. Lawrence River basin below Lake Huron.
Part 5. Hudson Bay and upper Mississippi River basins	
	1. Hudson Bay basin. 2. Upper Mississippi River basin above Keokuk, Iowa. 3. Upper Mississippi River basin below Keokuk, Iowa.
Part 6. Missouri River basin	
A. Missouri River basin above Sioux City, Iowa.	1. Missouri River basin above Williston, N. Dak. 2. Missouri River basin from Williston, N. Dak., to Sioux City, Iowa.

*Areas designated by parts of reports containing records of streamflow in the
United States, 1960-65—Continued*

Letter and name	Volume and name
Part 6. Missouri River basin—Continued	
B. Missouri River basin below Sioux City, Iowa.	3. Missouri River basin from Sioux City, Iowa, to Nebraska City, Nebr. 4. Missouri River basin below Nebraska City, Nebr.
Part 7. Lower Mississippi River basin	
	1. Lower Mississippi River basin, ex- cept Arkansas River basin. 2. Arkansas River basin.
Part 8. Western Gulf of Mexico basins	
	1. Basins from Mermentau River to Colorado River. 2. Basins from Lavaca River to Rio Grande.
Part 9. Colorado River basin	
	1. Colorado River basin above Green River. 2. Colorado River basin from Green River to Compact Point. 3. Lower Colorado River basin.
Part 10. The Great Basin	
Part 11. Pacific slope basins in California	
	1. Basins from Tia Juana River to Santa Maria River. 2. Basins from Arroyo Grande to Oregon State line except Central Valley. 3. Southern Central Valley basins. 4. Northern Central Valley basins.
Part 12. Pacific slope basins in Washington	
	1. Pacific slope basins in Washington except Columbia River basin. 2. Upper Columbia River basin.
Part 13. Snake River basin	
Part 14. Pacific slope basins in Oregon and lower Columbia River basin	
Part 15. Alaska	
Part 16. Hawaii and other Pacific areas	

TABLE 3.—*Reports containing records of streamflow in the United States, 1960-65*¹

[The area included in each part is shown on the maps, p. 176. No records of streamflow were published for the following parts: 4, 12-14, and Hawaii]

Report year	Letter or volume	Part 1		Part 2		Part 3		Part 5		Part 6		Part 7		Part 8		Part 9		Part 10		Part 11		Alaska	
		No.	Price	No.	Price	No.	Price	No.	Price	No.	Price	No.	Price	No.	Price	No.	Price	No.	Price	No.	Price	No.	Price
1960	A	----	----	----	----	1705	\$2.00	1708	2.00	----	----	1711	2.00	1712	1.75	----	----	----	----	----	----	*1720	0.50
	B	1702	1.75	1704	1.50	----	----	----	----	1710	1.75	----	----	----	----	----	----	----	----	----	----	----	----
Volume																							
1961-65	1	1901	4.75	1904	4.25	----	----	----	----	1916	3.75	1920	5.00	1922	4.50	1924	2.75	1927	4.50	1928	2.75	----	----
	2	1902	4.25	----	----	----	----	----	----	1917	3.00	1921	4.00	1923	4.00	1925	3.25	----	----	1929	3.25	----	----
	3	1903	4.00	----	----	----	----	----	----	1918	3.75	----	----	----	----	1926	2.50	----	----	1930	3.25	----	----
	4	----	----	----	----	----	----	----	----	1919	3.75	----	----	----	----	----	----	----	----	----	----	----	----

¹ Before 1961 this was an annual series, but beginning with 1961-65 a 5-year series is being used. In order to meet interim requirements, streamflow records for individual States are made available for local use after each water year ending September 30.

² Contains data on quality of surface waters.

TABLE 4.—*Compilation of records of surface waters of the United States, 1950-60*

No.	Part	Price	No.	Part	Price	No.	Part	Price
1721	1-A	\$1.75	1728	5	2.50	1735	11	3.00
1722	1-B	4.00	1729	6-A	2.25	1736	12	2.25
1723	2-A	1.50	1730	6-B	2.50	1737	13	1.75
1724	3-A	2.50	1731	7	2.50	1738	14	2.00
1725	4	2.00	1732	8	2.50	1739	Hawaii	1.75
1726	5	2.50	1733	9	2.75	1740	Alaska	1.00
1727	6-A	2.25	1734	10	1.75			

TABLE 5.—*Reports on quality of surface waters for irrigation, Western United States, 1959-65*

Report year	No.	Price	Report year	No.	Price	Report year	No.	Price
1959-----	1699	\$.70	1962-----	1946	1.00	1965-----	1967	1.00
1960-----	1746	1.25	1963-----	1952	1.00			
1961-----	1886	1.00	1964-----	1960	1.00			

TABLE 6.—*Reports containing records of magnitude and frequency of floods, 1964-68*

[The area included in each part is shown on the maps, p. 176]

Year published	No.	Part	Price	Year published	No.	Part	Price
1964-----	1671	1-A	\$1.50	1966-----	1679	6-A	2.00
	1673	2-A	2.00		1683	9	2.00
	1676	3-B	1.50		1684	10	1.75
	1681	7	2.75	1967-----	1674	2-B	2.00
	1687	12	3.00		1685	11	2.50
	1688	13	4.25		1686	11	1.75
	1689	14	2.75	1968-----	1672	1-B	2.75
1965-----	1675	3-A	2.75		1678	5	2.50
	1677	4	1.75		1680	6-B	2.75
	1682	8	2.25				

¹ Volume 1, Coastal basins south of the Klamath River basin and Central Valley drainage from the west.² Volume 2, Klamath and Smith River basins and Central Valley drainage from the east.

TABLE 7.—*Circulars containing index of surface water records of the United States through 1963 and 1967*

[The area included in each part is shown on the maps, p. 176. The circulars for 1963 are superseded by those for 1967]

Report year	No.	Part	Report year	No.	Part	Report year	No.	Part
1963-----	501	1	1963-Con---	512	12	1967-Con---	577	7
	502	2		513	13		578	8
	503	3		514	14		579	9
	504	4		515	Hawaii		580	10
	505	5		516	Alaska		581	11
	506	6	1967-----	571	1		582	12
	507	7		572	2		583	13
	508	8		573	3		584	14
	509	9		574	4		585	Alaska
	510	10		575	5		586	Hawaii
	511	11		576	6			

CIRCULARS

In the present listing, an asterisk (*) indicates that the paper is out of print. In "Publications of the Geological Survey, 1879-1961," all circulars are out of print except:

16	131	212	300	334	407	440
24	133	215	302	335	410	441
27	136	218	303	336	414	443
37	143	220	304	338	415	444
40	153	230	305	344	417	445
44	154	231	309	345	420	446
51	155	237	310	349	422	447
53	159	244	311	350	423	448
55	160	245	312	351	424	449
67	171	249	313	352	426	450
68	179	251	320	354	427	451
79	183	257	322	358	431	452
87	186	260	324	359	432	454
88	190	262	325	361	433	455
91	192	265	326	362	434	
95	198	266	327	363	435	
106	201	277	328	365	436	
110	205	294	330	371	437	
111	207	297	331	376	438	
128	209	298	333	398	439	

- 456. Estimated use of water in the United States, 1960, by K. A. MacKichan and J. C. Kammerer. 1961 [1962]. 44 p.
- 457. Floods in Utah, magnitude and frequency, by V. K. Berwick. 1962. 24 p.
- 458. Floods in Nebraska on small drainage areas, magnitude and frequency, by E. W. Beckman and N. E. Hutchison. 1962. 33 p.
- 459. The story of ground water in the San Joaquin Valley, Calif., by R. H. Dale, J. J. French, and H. D. Wilson, Jr. 1964. 11 p.
- 460-A. The man and the hill, by L. B. Leopold. 1962. 5 p.
- 460-B. A national network of hydrologic bench marks, by L. B. Leopold. 1962. 4 p.
- 460-C. The Vigil Network: Preservation and access of data, by W. W. Emmett and R. F. Hadley. 1968. 21 p. (Circular 460 issued only as separate chapters under the general title "Conservation networks.")
- 461. Explorations for water supplies on the public domain, 1960, by W. S. Eisenlohr, Jr., and others. 1962. 28 p.
- 462. Bibliography of maps of Civil War battlefield areas, by Irwin Gottschall. 1962. 33 p.
- 463. Reports and maps of the Geological Survey released only in the open files, 1961, by B. A. Weld, E. S. Asselstine, and Arthur Johnson. [1962]. 14 p.
- 464. Floods in New Mexico, magnitude and frequency, by L. A. Wiard. 1962. 13 p.
- 465. Floods of December 1961 in Mississippi and adjoining States, by J. D. Shell. 1962. 17 p.

- 466. Notes on earth fissures in southern Arizona, by G. M. Robinson and D. E. Peterson. 1962. 7 p.
- 467. Floods of February 1962 in southern Idaho and northeastern Nevada, by C. A. Thomas and R. D. Lamke. 1962. 30 p.
- *468. Ground-water studies and analog models, by C. J. Robinove. 1962 [1963]. 12 p.
- *469. Water and the Southwest—What is the future?, by H. E. Thomas. 1962. 15 p.
- 470. Sediment discharge during floods in eastern Nebraska, by J. C. Mundorff. 1962. 8 p.
- 471. Water resources and the Mississippi embayment project, by E. M. Cushing. 1963. 8 p.
- 472. Current studies of the hydrology of prairie potholes, by J. B. Shjeflo and others. 1962 [1963]. 11 p.
- 473. Reports and maps of the Geological Survey released only in the open files, 1962, by B. A. Weld, E. S. Asselstine, and Arthur Johnson. 1963. 15 p.
- 474. Automation of streamflow records, prepared by a work group composed of R. W. Carter, chairman, W. L. Anderson, W. L. Isherwood, K. W. Rolfe, C. R. Showen, and Winchell Smith. 1963. 18 p.
- *475. Mineralization associated with the magnetic anomaly in part of the Ely quadrangle, Nevada, by A. L. Brokaw, G. B. Gott, D. R. Mabey, Howard McCarthy, and Uteana Oda. 1962. 7 p.
- 476. Principal lakes of the United States, by C. D. Bue. 1963. 22 p.
- 477. A tentative classification of alluvial river channels, by S. A. Schumm. 1963. 10 p.
- 478. Floods in Wyoming, magnitude and frequency, by J. R. Carter and A. R. Green. 1963 [1964]. 27 p.
- 479. Beryllium deposits of the western Seward Peninsula, Alaska, by C. L. Sainsbury. 1963. 18 p.
- 480. Preparation of water samples for carbon-14 dating, by H. R. Feltz and B. B. Hanshaw. 1963. 3 p.
- *481. The Atlantic Continental Shelf and slope—A program for study, by K. O. Emery and J. S. Schlee. 1963. 11 p.
- 482. Development of a hand portable rainfall-simulator infiltrometer, by I. S. McQueen. 1963. 16 p.
- 483. Summary of developed and potential waterpower of the United States and other countries of the world, 1955–62, by L. L. Young. 1964. 38 p.
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TOPOGRAPHIC INSTRUCTIONS

[All the chapters listed in "Publications of the Geological Survey, 1879-1961" as being in print are now out of print]

*TI 2E1-2E5. Geological Survey Topographic Instructions. Chapter 2E1, Standards and planning for leveling; Chapter 2E2, Equipment for leveling; Chapter 2E3, Leveling operations; Chapter 2E4, Bench marks; Chapter 2E5, Leveling computations. 1966. 63 p. (Book 2, Control surveys; Part 2E, Leveling.)

*TI 3F6. Geological Survey Topographic Instructions. Chapter 3F6, ER-55 Plotter procedures. 1961 [1962]. 49 p. (Book 3, Mapping procedures; Part 3F, stereocompilation procedures.)

*TI 5B1, 5B2. Geological Survey Topographic Instructions. Chapter 5B1, Areas of quadrangles; Chapter 5B2, Instructions and tables for polyconic projections. 1964 [1965]. 142 p. (Book 5, Tables; Part 5B, Cartographic tables.)

ANNUAL REPORTS

For fiscal years 1961-63, the report of the Director of the Geological Survey was included in the annual report of the Secretary of the Interior. A limited number of copies of the annual report of the Director has been reprinted for official use and may be obtained free, as long as the supply lasts, upon application to the Director, Geological Survey, Washington, D.C. 20242. Annual reports for subsequent years are contained in the Interior Department's Conservation Yearbook series; this series includes both the annual reports and the special reports to the Nation which have been published in previous years by the Department of the Interior.

Annual report of the Director, Geological Survey, to the Secretary of the Interior, fiscal year ended June 30, 1961. [Thomas B. Nolan, Director.] 1962. p. 181-222.

Fiscal year ended June 30, 1962. 1963. p. 327-362.

Fiscal year ended June 30, 1963. 1964. p. 355-400.

GEOPHYSICAL ABSTRACTS

Abstracts of the geophysical literature have been issued in a numbered series since 1929. The Bureau of Mines published numbers 1-86 (1929-36) and 112-127 (1943-46). The Geological Survey published the abstracts in its bulletin series from July 1936 through 1942 and 1947 through 1962. Beginning in January 1963, "Geophysical Abstracts" has been published by the Geological Survey as a monthly periodical having an annual index. Abstracts published from 1961 through 1971 are listed below. [Publication of this series was terminated with the December 1971 issue.]

<i>Issue</i>	<i>Year</i>	<i>Issue</i>	<i>Year</i>	<i>Issue</i>	<i>Year</i>
184-187	1961 ¹	216-227	1965	264-275	1969
188-191	1962 ²	228-239	1966	276-287	1970
192-203	1963	240-251	1967	288-299	1971
204-215	1964	252-263	1968		

¹ Bulletin 1146.

² Bulletin 1166.

ABSTRACTS OF NORTH AMERICAN GEOLOGY

Issued monthly from January 1966, but publication discontinued with December 1971 issue.

REPORTS AVAILABLE ONLY THROUGH NTIS

The following reports, priced as indicated for hard copies and 95 cents per document for microfiche, may be obtained from the National Technical Information Service, U.S. Department of Commerce, Springfield, Va. 22151. When ordering, please use the NTIS number preceding each item.

- PB1-90628. Computer contribution 5, Proceedings of the symposium on map and chart digitizing, by R. A. Huber (ed.). 1970. 81 p. \$3.
- PB1-90718. Investigation of small-scale map projections for space imagery, by Nathan Resnick. 1970. 13 p. \$3.
- PB1-91587. Principal facts for gravity stations in an area west of Denver, Colo., by G. L. Brinkworth. 1970. 51 p. \$3.
- PB1-92041. Annual report on research and development, April 1970, by the U.S. Geological Survey. 1970. 56 p. \$3.
- PB1-92863. Remote sensing bibliography for earth resources, 1966-67, by R. K. Llaverias. 1970. 135 p. \$3.
- PB1-93314. An algorithm for gridding satellite photographs, by L. U. Bender. 1970. 163 p. \$3.
- PB1-93512. More information relating to the high altitude use of color infrared film, by R. W. Pease. 1970. 11 p. \$3.
- PB1-93666. Ground data-handling system study for the Earth Resources Observation Satellite: Phase II, user data processing requirements, by Herbert Gurk, Peter Wood, and Charles Smith. 1969 [1970]. 130 p. \$3.
- PB1-93829. Ground data-handling system study for the Earth Resources Observation Satellite: Phase I, by Herbert Gurk, Peter Wood, and Charles Smith. 1968 [1970]. 99 p. \$3.
- PB1-93859. Earth Resources Observation Satellite—Image utility at state level, by D. W. Jamison. 1970. 159 p. \$3.

- PB1-94570. Atlantic region semianalytical aerotriangulation program, by L. R. Mannello, M. L. McKenzie, and Robert Montgomery, Jr. 1970. 65 p. \$3.
- PB1-94810. Application of remote sensing techniques to water oriented outdoor recreation planning, by R. W. Douglass. 1970. 20 p. \$3.
- PB1-94811. The use of air photo mosaics as simulators of spacecraft photography in land use mapping, by R. D. Rudd and R. M. Highsmith, Jr. 1970. 26 p. \$3.
- PB1-95451. Remote sensing of hydrologic resources in the Great Plains, report 1, by F. A. Waltz and V. I. Myers. 1970. 107 p. \$3.
- PB1-95498. Multispectral separations from multilayer films, by R. W. Pease. 1969 [1970]. 38 p. \$3.
- PB1-95748. Remote sensing bibliography for earth resources, 1968, by R. K. Llaverias and D. G. Lowe. 1970. 260 p. \$3.
- PB1-95999. Perspective center determination, by J. D. McLaurin. 1969 [1970]. 41 p. \$3.
- PB1-96002. Satellite photography as a geographic tool for land-use mapping of the southwestern United States, by N. J. W. Thrower, L. W. Senger, R. H. Mullens 2d, and K. J. Walton. 1970. 23 p. \$3.

SPECIAL BOOKS

[The following books, which are listed in "Publications of the Geological Survey, 1879-1961" as being in print, are now out of print: "Prospecting for uranium" and "Publications of the U.S. Geological Survey relating to coal."]

- A primer on ground water, by H. L. Baldwin and C. L. McGuinness. 1963. 26 p. 50¢.
- A primer on water quality, by H. A. Swenson and H. L. Baldwin. 1965. 27 p. 30¢.
- Catalog of information on water data, prepared by the Office of Water Data Coordination. Available on application to the Geological Survey, Washington, D.C. 20242. Published periodically as separate indexes, the current edition of each being as follows:
- Index to surface water section, edition 1970. 1970. 677 p.
 - Index to water quality section, edition 1970. 1970. 443 p.
 - Index to ground water stations, edition 1968. 1969. 657 p.
 - Index to areal investigations and miscellaneous water data activities, edition 1970. 1971. 178 p.
- Long range plan for resource surveys, investigations, and research programs of the United States Geological Survey, 1964. 1964. 75 p.
- Publications of the Geological Survey, 1879-1961. 1964. 457 p.
- The National Water Resources Data Network. 1963. Available free on request to U.S. Geological Survey, Washington, D.C. 20242, or Denver, Colo. 80225. (Prepared in cooperation with State and local agencies and with other Federal agencies.)
- The river and the rocks—The geologic story of Great Falls and the Potomac River Gorge, by the U.S. Geological Survey and the National Park Service. 1970. 46 p. 40¢.

MAPS AND CHARTS

GENERAL INFORMATION

In some commonly used scales on which maps of the United States and of the several States have been published, 1 inch on the map represents the distance on the ground as given below:

Scale	Feet	Scale	Miles
1:960	80	1:63,360	1.000
1:1,200	100	1:75,000	1.184
1:2,400	200	1:96,000	1.515
1:3,600	300	1:100,000	1.578
1:4,800	400	1:120,000	1.894
1:6,000	500	1:125,000	1.973
1:9,600	800	1:126,720	2.000
1:12,000	1,000	1:190,080	3.000
1:15,000	1,250	1:200,000	3.157
1:15,840	1,320	1:240,000	3.788
1:16,000	1,333	1:250,000	3.946
1:18,000	1,500	1:253,440	4.000
1:20,000	1,667	1:316,800	5.000
1:23,600	1,967	1:380,160	6.000
1:24,000	2,000	1:500,000	7.891
1:25,000	2,083	1:750,000	11.837
1:30,000	2,500	1:1,000,000	15.783
1:31,250	2,604	1:1,500,000	23.674
1:31,680	2,640	1:1,584,000	25.000
1:36,000	3,000	1:2,000,000	31.566
1:48,000	4,000	1:2,500,000	39.457
1:50,000	4,167	1:2,534,300	39.999
1:58,000	4,833	1:3,168,000	50.000
1:62,500	5,208	1:5,000,000	78.914
		1:7,000,000	110.480
		1:7,500,000	118.371
		1:13,650,000	215.436
		1:16,500,000	260.417
		1:17,000,000	268.308
		1:38,500,000	607.639

Ordering instructions are given on page 2. The Geological Survey does not supply mounted maps. An asterisk (*) indicates the item is out of print.

GEOLOGIC MAPS OF THE UNITED STATES

Basement rock map of the United States (exclusive of Alaska and Hawaii), compiled by R. W. Bayley, United States Geological Survey, and W. R. Muehlberger, The University of Texas. 1968. Scale 1:2,500,000. Two sheets, each 41 by 52 inches. \$3 per set.

Bouguer gravity anomaly map of the United States (exclusive of Alaska and Hawaii), by the American Geophysical Union's Special Committee for the Geophysical and Geological Study of the Continents, G. P. Woollard, Chairman, and the U.S. Geological Survey, H. R. Joesting, Coordinator. 1964. Scale 1:2,500,000. Contour interval 10 milligals. Two sheets, each

42 by 52 inches. 75¢ per set (available on regular map paper or on translucent parchment paper).

Oil and gas fields of the United States, exclusive of Alaska and Hawaii, by S. D. Vlissides and B. A. Quirin. (Data as of October 1963.) 1964. Scale 1:2,500,000. Two sheets, each 41½ by 51 inches. \$2 per set.

Tectonic map of the United States, exclusive of Alaska and Hawaii, by the U.S. Geological Survey and the American Association of Petroleum Geologists. Prepared by a committee, G. V. Cohee, Chairman. 1961 [1962]. Scale 1:2,500,000. Two sheets, each 41 by 54 inches. \$4.50.

GEOLOGIC MAPS OF NORTH AMERICA

Basement map of North America, between latitudes 24° and 60° N., by the American Association of Petroleum Geologists and the United States Geological Survey, prepared by the Basement Rock Project Committee. 1967. Scale 1:5,000,000. 40 by 53 inches. \$1.

Geologic map of North America, by the North American Geologic Map Committee, E. N. Goddard, Chairman, and compilation assistance by D. C. Bell. 1965. Scale 1:5,000,000. Two sheets, each 39 by 56 inches. \$5 per set.

Tectonic map of North America, compiled by P. B. King. 1969. Scale 1:5,000,000. Submarine-contour interval 500 meters, with first 200-meter contour added. Structure-contour interval in platform areas 500 meters. Two sheets, each 40 by 65 inches. \$5 per set. (See also Professional Paper 628.)

STATE MAPS DISTRIBUTED BY THE GEOLOGICAL SURVEY

[State maps published and distributed by State agencies are included in a complete list, "State Geologic Maps," which can be obtained from the Geologic Inquiries Group, U.S. Geological Survey, Washington, D.C. 20242. The following map, which is listed in "Publications of the Geological Survey, 1879-1961" as being in print, is now out of print: Wyoming]

Alaska, I-357.¹

Arizona, by E. D. Wilson and R. T. Moore, 1969. Scale 1:500,000. \$2.50.

California (generalized), I-512.¹

New Mexico, by C. H. Dane and G. O. Bachman, 1965. Scale 1:500,000. Sheet 1, geologic map; sheet 2, explanation. \$2.50 per set.

North Dakota, I-331.¹

Ohio, I 327.¹

Oregon (generalized), I-595.¹

Washington (generalized), I-583.¹

¹ Listed under Miscellaneous Geologic Investigations Maps, p. 285.

INDEXES TO GEOLOGIC MAPPING IN THE UNITED STATES

Geologic map indexes outline areas covered by maps published by the Geological Survey, State and commercial organizations, universities, and professional societies. Indexes include Geological Survey open-file reports and maps but not theses or open-file material of other organizations. The map areas shown on the indexes are numbered in general chronological order by

publication date, and the numbers are keyed to the bibliographic references cited in the text. Maps outlined on indexes published after 1968 are at a scale of 1:250,000 or larger, show areal geology in as much detail or more than the State geologic maps, and are compiled on topographic index-map bases.

Indexes to geologic mapping in the United States

State and year of compilation	Year of publication	Scale	Price
Alabama, 1950	1951	1:1,000,000	\$0.40
Alaska, 1965	1967	1:2,500,000	.60
*Arizona, 1957	1958	1:1,000,000	
Arkansas, 1952	1952	1:500,000	.65
*California, 1951 (two sheets)	1952	1:750,000	
Colorado, 1954	1954	1:750,000	.50
Florida, 1952	1953	1:1,000,000	.60
Georgia, 1949	1949	1:750,000	.35
Idaho, 1957	1959	1:750,000	.60
Illinois, 1953	1954	1:750,000	.60
Indiana, 1950	1950	1:750,000	.45
Iowa, 1948	1948	1:750,000	.35
*Kansas, 1954	1954	1:750,000	
Kentucky, 1952	1952	1:750,000	.50
*Louisiana, 1950	1950	1:1,000,000	
Maine, 1958	1959	1:750,000	.60
Maryland and Delaware, 1951	1951	1:500,000	.40
Massachusetts, Rhode Island, and Connecticut, 1952	1952	1:500,000	.40
Michigan, 1953	1953	1:750,000	.60
Minnesota, 1953	1955	1:750,000	.60
Mississippi, 1950	1950	1:1,000,000	.25
Missouri, 1948	1949	1:75,000	.30
Montana, 1955	1955	1:750,000	
Supplement, 1955-67	1969	1:750,000	\$0.75 per set
*Nebraska, 1947	1947	1:1,000,000	
Nevada, 1955	1955	1:750,000	.60
New Hampshire and Vermont, 1952	1952	1:500,000	.50
New Jersey, 1951	1951	1:500,000	.40
New Mexico, *Part A, 1956	1958	1:750,000	
Part B, 1956-68	1970	1:1,000,000	.50
New York, 1952	1952	1:750,000	.60
North Carolina, 1950	1950	1:750,000	.50
North Dakota, 1954	1954	1:750,000	.60
Ohio, 1970	1970	1:1,000,000	.50
*Oklahoma, 1953	1953	1:500,000	
Oregon, 1949	1949	1:750,000	.25
*Pennsylvania, 1952	1952	1:500,000	
South Carolina, 1950	1950	1:1,000,000	.25
South Dakota, 1957	1958	1:750,000	.60
Tennessee, 1949	1949	1:750,000	.40
Texas, 1951	1951	1:1,000,000	.60
Utah, 1954	1954	1:750,000	.60
Virginia, 1959	1959	1:750,000	.60
Washington, 1949	1949	1:750,000	.35
West Virginia, 1949	1949	1:750,000	.25
Wisconsin, 1953	1953	1:750,000	.60
Wyoming, 1955	1955	1:750,000	.60

GEOLOGIC QUADRANGLE MAPS

- GQ-147. Surficial geology of the Avon quadrangle, Connecticut, by R. W. Schnabel. 1962. Lat 41°45' to 41°52'30", long 72°45' to 72°52'30". Scale 1:24,000. Contour interval 10 feet. 30 by 50 inches. \$1.
- GQ-148. Surficial geology of the Montville quadrangle, Connecticut, by Richard Goldsmith. 1962. Lat 41°22'30" to 41°30", long 72°07'30" to 72°15'. Scale 1:24,000. 30 by 50 inches. \$1.
- GQ-149. Geology of the Altoona quadrangle, Kansas, by H. C. Wagner. 1961 [1962]. Lat 37°30' to 37°45', long 95°30' to 95°45'. Scale 1:62,500. Contour interval 20 feet. 29½ by 49 inches. \$1.
- GQ-150. Surficial geology of the Meriden quadrangle, Connecticut, by P. M. Hanshaw. 1962. Lat 41°30' to 41°37'30", long 72°45' to 72°52'30". Scale 1:24,000. Contour interval 10 feet. 29½ by 49½ inches. \$1.
- GQ-152. Geology of the Ouray quadrangle, Colorado, by R. G. Luedke and W. S. Burbank. 1962. Lat 38° to 38°07'30", long 107°37'30" to 107°45'. Scale 1:24,000. Contour interval 40 feet. 30 by 50 inches. \$1.
- GQ-153. Geology of the Delano Peak quadrangle, Utah, by Eugene Callaghan and R. L. Parker. 1962. Lat 38°15' to 38°30', long 112°15' to 112°30'. Scale 1:62,500. Contour interval 50 feet. 30 by 50 inches. \$1.
- GQ-154. Geology of the Marysvale quadrangle, Utah, by M. E. Willard and Eugene Callaghan. 1962. Lat 38°15' to 38°30', long 112° to 112°15'. Scale 1:62,500. Contour interval 50 feet. 29½ by 49½ inches. \$1.
- GQ-156. Geology of the Sevier quadrangle, Utah, by Eugene Callaghan and R. L. Parker. 1962. Lat 38°30' to 38°45', long 112°15' to 112°30'. Scale 1:62,500. Contour interval 50 feet. 30 by 50 inches. \$1.
- GQ-159. Geology of the Des Moines quadrangle, Washington, by H. H. Waldron. 1962. Lat 47°22'30" to 47°30', long 122°15' to 122°22'30". Scale 1:24,000. Contour intervals 25 feet. 29½ by 49½ inches. \$1.
- GQ-160. Pre-Quaternary geology of the Columbus quadrangle, New Jersey, by J. P. Owens and J. P. Minard. 1962. Lat 40° to 40°07'30", long 74°37'30" to 74°45'. Scale 1:24,000. Contour interval 10 feet. 30 by 50 inches. \$1.
- GQ-161. Pre-Quaternary geology of the New Egypt quadrangle, New Jersey, by J. P. Minard and J. P. Owens. 1962. Lat 40° to 40°07'30", long 74°30' to 74°37'30". Scale 1:24,000. Contour interval 10 feet. 30 by 50 inches. \$1.
- GQ-162. Geology of the Cameron quadrangle, Arizona, by J. P. Akers, J. H. Irwin, P. R. Stevens, and N. E. McClymonds, *with a section on Uranium deposits*, by W. L. Chenoweth. 1962. Lat 35°45' to 36°, long 111°15' to 111°30'. Scale 1:62,500. Contour interval 40 feet. 30 by 50 inches. \$1.
- GQ-163. Geology of the Maryville quadrangle, Tennessee, by J. M. Cattermole. 1962. Lat 35°45' to 35°52'30", long 83°52'30" to 84°. Scale 1:24,000. Contour interval 20 feet. 30 by 50 inches. \$1.
- GQ-164. Bedrock geology of the Lincoln Mountain quadrangle, Vermont, by W. M. Cady, A. L. Albee, and J. F. Murphy. 1962. Lat 44° to 44°15', long 72°45' to 73°. Scale 1:62,500. Contour interval 20 feet. 30 by 50 inches. \$1.
- GQ-165. Surficial geology of the Norwich quadrangle, Connecticut, by P. M.

- Hanshaw and G. L. Snyder. 1962. Lat 41°30' to 41°37'30", long 72° to 72°07'30". Scale 1:24,000. 26 by 50 inches. \$1.
- GQ-166. Surficial geology of the Hope Valley quadrangle, Rhode Island, by T. G. Feininger. 1962. Lat 41°30' to 41°37'30", long 71°37'30" to 71°45'. Scale 1:24,000. Contour interval 10 feet. 30 by 50 inches. \$1.
- GQ-167. Geology of the West Carlsbad quadrangle, New Mexico, by W. S. Motts. 1962. Lat 32°15' to 32°30', long 104°15' to 104°30'. Scale 1:62,500. Contour interval 50 feet. 30 by 50 inches. \$1.
- GQ-168. Surficial geology of the Reading quadrangle, Massachusetts, by R. N. Oldale. 1962 [1963]. Lat 42°30' to 42°37'30", long 71° to 71°07'30". Scale 1:24,000. Contour interval 10 feet. 30 by 49½ inches. \$1.
- GQ-171. Geology of the Ano quadrangle, Kentucky, by H. K. Stager. 1962. Lat 37° to 37°07'30", long 84°15' to 84°22'30". Scale 1:24,000. Contour interval 20 feet. 31½ by 33½ inches. \$1.
- GQ-174. Geology of the Holland quadrangle, Kentucky-Tennessee, by W. H. Nelson. 1962. Lat 36°37'30" to 36°45', long 86° to 86°07'30". Scale 1:24,000. Contour interval 20 feet. 30½ by 33 inches. \$1.
- GQ-175. Geology of the Argillite quadrangle, Kentucky, by R. A. Sheppard and J. C. Ferm. 1962. Lat 38°22'30" to 38°30', long 82°45' to 82°52'30". Scale 1:24,000. Contour interval 20 feet. 30 by 32 inches. \$1.
- GQ-176. Surficial geology of the New London quadrangle, Connecticut-New York, by Richard Goldsmith. 1962. Lat 41°15' to 41°22'30", long 72° to 72°07'30". Scale 1:24,000. Contour interval 10 feet. 25 by 28 inches. \$1.
- GQ-177. Geology of the Wolf Creek Dam quadrangle, Kentucky, by R. Q. Lewis, Sr., and R. E. Thaden. 1962. Lat 36°45' to 36°52'30", long 85°07'30" to 85°15'. Scale 1:24,000. Contour interval 20 feet. 30 by 33 inches. \$1.
- GQ-178. Geology of the Kermit quadrangle in Kentucky, by J. W. Huddle and K. J. Englund. 1962. Lat 37°45' to 37°52'30", long 82°22'30" to 82°30'. Scale 1:24,000. Contour interval 40 feet. 33 by 33 inches. \$1.
- GQ-179. Geology of the Sawyer quadrangle, Kentucky, by W. P. Puffett. 1962. Lat 36°52'30" to 37°, long 84°15' to 84°22'30". Scale 1:24,000. Contour interval 20 feet. 29½ by 32 inches. \$1.
- GQ-180. Geology of the Varney quadrangle, Kentucky, by J. W. Huddle and K. J. Englund. 1962. Lat 37°37'30" to 37°45', long 82°22'30" to 82°30'. Scale 1:24,000. Contour interval 40 feet. 33 by 34 inches. \$1.
- GQ-181. Geology of the Lenox quadrangle, Kentucky, by J. E. Johnston. 1962. Lat 37°52'30" to 38°, long 83°07'30" to 83°15'. Scale 1:24,000. Contour interval 20 feet. 30 by 33 inches. \$1.
- GQ-182. Geology of the Jamestown quadrangle, Kentucky, by R. E. Thaden and R. Q. Lewis, Sr. 1962. Lat 36°52'30" to 37°, long 85° to 85°07'30". Scale 1:24,000. Contour interval 20 feet. 30 by 32 inches. \$1.
- GQ-183. Geology of the Park City quadrangle, Kentucky, by D. D. Haynes. 1962. Lat 37° to 37°07'30", long 86° to 86°07'30". Scale 1:24,000. Contour interval 10 feet. 30 by 32½ inches. \$1.
- GQ-184. Geology of the Scottsville quadrangle, Kentucky, by K. B. Ketner. 1962. Lat 36°45' to 36°52'30", long 86°07'30" to 86°15'. Scale 1:24,000. Contour interval 20 feet. 30 by 32 inches. \$1.
- GQ-185. Geology of the Paradise quadrangle, Utah, by T. E. Mullens and G. A. Izett. 1963. Lat 41°30' to 41°37'30", long 111°45' to 111°52'30". Scale 1:24,000. Contour interval 40 feet. 30 by 32 inches. \$1.
- GQ-186. Geology of the Amandaville quadrangle, Kentucky, by A. R. Taylor.

1962. Lat 36°52'30" to 37°, long 85°15' to 85°22'30". Scale 1:24,000. Contour interval 20 feet. 31 by 32 inches. \$1.
- GQ-187. Geology of the Williamson quadrangle in Kentucky, by D. C. Alvord and V. A. Trent. 1962. Lat 37°37'30" to 37°45', long 82°15' to 82°22'30". Scale 1:24,000. Contour interval 40 feet. 32½ by 33 inches. \$1.
- GQ-188. Geology of the Coleman Gap quadrangle, Tennessee and Virginia, by L. D. Harris, J. G. Stephens, and R. L. Miller. 1962 [1963]. Lat 36°30' to 36°37'30", long 83°22'30" to 83°30'. Scale 1:24,000. Contour interval 20 feet. 32 by 39 inches. \$1.
- GQ-189. Surficial geology of the Ipswich quadrangle, Massachusetts, by E. A. Sammel. 1963. Lat 42°37'30" to 42°45', long 70°45' to 70°52'30". Scale 1:24,000. Contour interval 10 feet. 28½ by 33 inches. 75¢.
- GQ-190. Geology of the Varilla quadrangle, Kentucky-Virginia, by K. J. Englund, E. R. Landis, and H. L. Smith. 1963. Lat 36°37'30" to 36°45', long 83°30' to 83°37'30". Scale 1:24,000. Contour interval 40 feet. 33 by 37 inches. \$1.
- GQ-191. Geology of the Vega Alta quadrangle, Puerto Rico, by W. H. Monroe. 1963. Lat 18°22'30" to 18°30', long 66°15' to 66°22'30". Scale 1:20,000. Contour interval 10 meters. 34 by 45 inches. \$1.
- GQ-192. Geology of the Big Clifty quadrangle, Kentucky, by W C Swadley. 1962. Lat 37°30' to 37°37'30", long 86°07'30" to 86°15'. Scale 1:24,000. Contour interval 20 feet. 30 by 33 inches. \$1.
- GQ-193. Geology of the Lodiburg quadrangle, Kentucky, by R. K. Hose, E. G. Sable, and D. C. Hedlund. 1963. Lat 37°52'30" to 38°, long 86°22'30" to 86°30'. Scale 1:24,000. Contour interval 10 feet. 32 by 34 inches. \$1.
- GQ-194. Geology of the Polkville quadrangle, Kentucky, by Benjamin Gildersleeve. 1962. Lat 36°52'30" to 37°, long 86°15' to 86°22'30". Scale 1:24,000. Contour interval 10 feet. 30 by 33 inches. \$1.
- GQ-195. Geology of the London SW quadrangle [Kentucky], by H. K. Stager. 1963. Lat 37° to 37°07'30", long 84°07'30" to 84°15'. Scale 1:24,000. Contour interval 20 feet. 30 by 33 inches. \$1.
- GQ-196. Geology of the Ashland quadrangle, Kentucky-Ohio, and the Catlettsburg quadrangle in Kentucky, by E. Dobrovolsky, J. A. Sharps, and J. C. Ferm. 1963. Lat 38°22'30" to 38°30', long 82°35' to 82°45'. Scale 1:24,000. Contour interval 20 feet. 31 by 41 inches. \$1.
- GQ-197. Geology of the Camuy quadrangle, Puerto Rico, by W. H. Monroe. 1963. Lat 18°22'30" to 18°30', long 66°45' to 66°52'30". Scale 1:20,000. Contour interval 5 meters. 33 by 42 inches. \$1.
- GQ-198. Geology of the Lee City quadrangle, Kentucky, by E. V. Post and J. E. Johnston. 1963. Lat 37°37'30" to 37°45', long 83°15' to 83°22'30". Scale 1:24,000. Contour interval 20 feet. 30 by 34 inches. \$1.
- GQ-199. Bedrock geology of the Mount Carmel quadrangle, Connecticut, by C. E. Fritts. 1963. Lat 41°22'30" to 41°30', long 72°52'30" to 73°. Scale 1:24,000. Contour interval 10 feet. 33 by 35 inches. \$1.
- GQ-200. Bedrock geology of the Southington quadrangle, Connecticut, by C. E. Fritts. 1963. Lat 41°30' to 41°37'30", long 72°52'30" to 73°. Scale 1:24,000. Contour interval 10 feet. 30 by 35 inches. \$1.
- GQ-201. Geology of the Landsaw quadrangle, Kentucky, by W. R. Hansen and J. E. Johnston. 1963. Lat 37°37'30" to 37°45', long 82°22'30" to 83°30'. Scale 1:24,000. Contour interval 20 feet. 34 by 34 inches. \$1.
- GQ-202. Geology of the Bernstadt quadrangle, Kentucky, by N. L. Hatch, Jr.

1963. Lat 37°07'30" to 37°15', long 84°07'30" to 84°15'. Scale 1:24,000. Contour interval 20 feet. 31 by 33 inches. \$1.
- GQ-203. Geology of the Hazel quadrangle in Kentucky by L. V. Blade. 1963. Lat 36°30' to 36°37'30", long 88°15' to 88°22'30". Scale 1:24,000. Contour interval 10 feet. 31 by 32 inches. \$1.
- GQ-204. Geology of the Creelsboro quadrangle, Kentucky, by R. E. Thaden and R. Q. Lewis, Sr. 1963. Lat 36°52'30" to 37°, long 85°07'30" to 85°15'. Scale 1:24,000. Contour interval 20 feet. 30 by 33 inches. \$1.
- GQ-205. Geology of the Jackson quadrangle, Kentucky by G. E. Prichard and J. E. Johnston. 1963. Lat 37°30' to 37°37'30", Long 83°22'30" to 83°30'. Scale 1:24,000. Contour interval 20 feet. 32 by 34 inches. \$1.
- GQ-206. Geology of the Salem quadrangle, Kentucky, by R. D. Trace. 1962. Lat 37°15' to 37°22'30", long 88°07'30" to 88°15'. Scale 1:24,000. Contour interval 10 feet. 34 by 36 inches. \$1.
- GQ-207. Geologic map of the Seboyeta quadrangle, New Mexico, by R. H. Moench. 1963. Lat 35°07'30" to 35°15', long 107°22'30" to 107°30'. Scale 1:24,000. Contour interval 20 feet. 29 by 32 inches. \$1.
- GQ-208. Geologic map of the Laguna quadrangle, New Mexico, by R. H. Moench. 1963. Lat 35° to 35°07'30", long 107°22'30" to 107°30'. Scale 1:24,000. Contour interval 20 feet. 28 by 30 inches. \$1.
- GQ-209. Geologic map of the Moquino quadrangle, New Mexico, by J. S. Schlee and R. H. Moench. 1963. Lat 35°07'30" to 35°15', long 107°15' to 107°22'30". Scale 1:24,000. Contour interval 20 feet. 28 by 32 inches. \$1.
- GQ-210. Geologic map of the Mesita quadrangle, New Mexico, by J. S. Schlee and R. H. Moench. 1963. Lat 35° to 35°07'30", long 107°15' to 107°22'30". Scale 1:24,000. Contour interval 20 feet. 28 by 31 inches. \$1.
- GQ-211. Geologic map of the Arch Mesa quadrangle, New Mexico, by R. H. Moench and W. P. Puffett. 1963. Lat 35°07'30" to 35°15', long 107°07'30" to 107°15'. Scale 1:24,000. Contour interval 20 feet, 27 by 30 inches. \$1.
- GQ-212. Geologic map of the Mesa Gigante quadrangle, New Mexico, by R. H. Moench and W. P. Puffett. 1963. Lat 35° to 35°07'30", long 107°07'30" to 107°15'. Scale 1:24,000. Contour interval 20 feet. 27 by 29 inches. \$1.
- GQ-213. Geologic map of the Tippihah Spring quadrangle, Nye County, Nev., by P. P. Orkild. 1963. Lat 37° to 37°07'30", long 116°07'30" to 116°15'. Scale 1:24,000. Contour interval 20 feet. 32 by 33 inches. \$1.
- GQ-214. Geologic map of the Oak Spring quadrangle, Nye County, Nev., by Harley Barnes, F. N. Houser, and F. G. Poole. 1963. Lat 37°07'30" to 37°15', long 116° to 116°07'30". Scale 1:24,000. Contour interval 20 feet. 33 by 34½ inches. \$1.
- GQ-215. Geology of the Rainier Mesa quadrangle, Nye County, Nev., by A. B. Gibbons, E. N. Hinrichs, W. R. Hansen, and R. W. Lemke. 1963. Lat 37°37'30" to 37°15', long 116°07'30" to 116°15'. Scale 1:24,000. Contour interval 20 feet. 34½ by 36 inches. \$1.
- GQ-216. Geology of the Bristow quadrangle, Kentucky, by Benjamin Gildersleeve. 1963. Lat 37° to 37°07'30", long 86°15' to 86°22'30". Scale 1:24,000. Contour interval 10 feet. 30 by 34 inches. \$1.
- GQ-217. Geology of the Tracy quadrangle, Kentucky, by S. L. Moore. 1963. Lat 36°45' to 36°52'30", long 85°52'30" to 86°. Scale 1:24,000. Contour interval 20 feet. 30 by 33 inches. \$1.
- GQ-218. Geology of the Lily quadrangle, Kentucky, by H. K. Stager. 1963. Lat 37° to 37°07'30", long 84° to 84°07'30". Scale 1:24,000. Contour interval 20 feet. 30 by 34 inches. \$1.

- GQ-219. Geology of the Rhoda quadrangle, Kentucky, by Harry Klemic. 1963. Lat 37°07'30" to 37°15', long 86°07'30" to 86°15'. Scale 1:24,000. Contour interval 20 feet. 30 by 34 inches. \$1.
- GQ-220. Geology of the Burkesville quadrangle, Kentucky, by J. M. Cattermole. 1963. Lat 36°45' to 36°52'30", long 85°15' to 85°22'30". Scale 1:24,000. Contour interval 20 feet. 31 by 34 inches. \$1.
- GQ-221. Bedrock geology of the Danforth quadrangle, Maine, by D. M. Larrabee and C. W. Spencer. 1963. Lat 45°30' to 45°45', long 67°45' to 68°. Scale 1:62,500. Contour intervals 20 feet in the U.S. and 50 feet in Canada. 25 by 26 inches. \$1.
- GQ-222. Geologic map of the San Andreas quadrangle, Calaveras County, Calif., by L. D. Clark, A. A. Stromquist, and D. B. Tatlock. 1963. Lat 38° to 38°15', long 120°30' to 120°45'. Scale 1:62,500. Contour interval 50 feet. 27 by 32 inches. \$1.
- GQ-223. Geology of the Hartford North quadrangle, Connecticut, by R. V. Cushman. 1963. Lat 41°45' to 41°52'30", long 72°37'30" to 72°45'. Scale 1:24,000. Contour interval 10 feet. 28 by 30 inches. \$1.
- GQ-224. Geology of the Vox quadrangle, Kentucky, by W. P. Puffett. 1963. Lat 36°52'30" to 37°, long 84°07'30" to 84°15'. Scale 1:24,000. Contour interval 20 feet, 32 by 34 inches. \$1.
- GQ-225. Geology of the Sugar Grove quadrangle, Kentucky, by T. P. Miller. 1963. Lat 37° to 37°07'30", long 86°37'30" to 86°45'. Scale 1:24,000. Contour interval 10 feet. 30 by 34 inches. \$1.
- GQ-226. Geology of the Inez quadrangle, Kentucky, by W. F. Outerbridge. 1963. Lat 37°45' to 37°52'30", long 82°30' to 82°37'30". Scale 1:24,000. Contour interval 40 feet. 33 by 34 inches. \$1.
- GQ-227. Geology of the Thomas quadrangle, Kentucky, by C. L. Rice. 1963. Lat 37°37'30" to 37°45', long 82°30' to 82°37'30". Scale 1:24,000. Contour interval 40 feet. 31 by 33 inches. \$1.
- GQ-228. Geology of the Billows quadrangle, Kentucky, by N. L. Hatch, Jr. 1963. Lat 37°07'30" to 37°15', long 84°15' to 84°22'30". Scale 1:24,000. Contour interval 20 feet. 31 by 34 inches. \$1.
- GQ-229. Geology of the Flaherty quadrangle, Kentucky, by W. C. Swadley. 1963. Lat 37°45' to 37°52'30", long 86° to 86°07'30". Scale 1:24,000. Contour interval 20 feet. 32 by 33 inches.
- GQ-230. Geology of the Elva quadrangle, Kentucky, by W. W. Olive. 1963. Lat 36°52'30" to 37°, long 88°22'30" to 88°30'. Scale 1:24,000. Contour interval 10 feet. 30 by 34 inches. \$1.
- GQ-231. Geology of the Corbin quadrangle, Kentucky, by W. P. Puffett. 1963. Lat 36°52'30" to 37°, long 84° to 84°07'30". Scale 1:24,000. Contour interval 20 feet. 30 by 34 inches. \$1.
- GQ-232. Geology of the Howe Valley quadrangle, Kentucky, by R. C. Kepferle. 1963. Lat 37°37'30" to 37°45', long 86° to 86°07'30". Scale 1:24,000. Contour interval 20 feet. 33 by 34 inches. \$1.
- GQ-233. Geology of the Gradyville quadrangle, Kentucky, by A. R. Taylor. 1963. Lat 37° to 37°07'30", long 85°22'30" to 85°30'. Scale 1:24,000. Contour interval 20 feet. 29½ by 32½ inches. \$1.
- GQ-234. Geology of the Bowling Green North quadrangle, Kentucky, by F. R. Shawe. 1963. Lat 37° to 37°07'30", long 86°22'30" to 86°30'. Scale 1:24,000. Contour interval 10 feet. 31 by 34 inches. \$1.
- GQ-235. Geology of the Bowling Green South quadrangle, Kentucky, by F. R.

- Shawe. 1963. Lat 36°52'30" to 37°, long 86°22'30" to 86°30'. Scale 1:24,000. Contour interval 10 feet. 31 by 32 inches. \$1.
- GQ-236. Geology of the Parrot quadrangle, Kentucky, by D. F. Crowder. 1963. Lat 37°15' to 37°22'30", long 84° to 84°07'30". Scale 1:24,000. Contour interval 20 feet. 30 by 33 inches. \$1.
- GQ-237. Geology of the Hadley quadrangle, Kentucky, by H. C. Rainey 3d. 1963. Lat 37° to 37°07'30", long 86°30' to 86°37'30". Scale 1:24,000. Contour interval 10 feet. 30 by 34 inches. \$1.
- GQ-238. Geology of the Sticklelyville quadrangle, Virginia, by L. D. Harris and R. L. Miller. 1963. Lat 36°37'30" to 36°45', long 82°52'30" to 83°. Scale 1:24,000. Contour interval 20 feet. 33 by 37 inches. \$1.
- GQ-239. Geology of the Aspen Grove quadrangle, Utah, by A. A. Baker. 1964. Lat 40°22'30" to 40°30', long 111°30' to 111°37'30". Scale 1:24,000. Contour interval of base map 20 feet. 27 by 39 inches. Accompanied by 9-page text. \$1.
- GQ-240. Geology of the Quicksand quadrangle, Kentucky, by J. R. Donnell and J. E. Johnston. 1963. Lat 37°30' to 37°37'30", long 83°15' to 83°22'30". Scale 1:24,000. Contour interval 20 feet. 30 by 33 inches. \$1.
- GQ-241. Geology of the Orem quadrangle, Utah, by A. A. Baker. 1964. Lat 40°15' to 40°22'30", long 111°37'30" to 111°45'. Scale 1:24,000. 26 by 34½ inches. Accompanied by 6-page text. \$1.
- GQ-242. Geology of the Lenoir quadrangle, North Carolina, by J. C. Reed, Jr. 1964. Lat 35°45' to 36°, long 81°30' to 81°45'. Scale 1:62,500. 27 by 36 inches. \$1.
- GQ-243. Geology of the Blowing Rock quadrangle, North Carolina, by Bruce Bryant. 1963. Lat 36° to 36°15', long 81°30' to 81°45'. Scale 1:62,500. Contour interval 50 feet. 25 by 40 inches. \$1.
- GQ-244. Geology of the Dexter quadrangle, Kentucky, by E. W. Wolfe. 1963. Lat 36°37'30" to 36°45', long 88°15' to 88°22'30". Scale 1:24,000. Contour interval 10 feet. 30 by 32 inches. \$1.
- GQ-245. Geology of the London quadrangle, Kentucky, by N. L. Hatch, Jr. 1963. Lat 37°07'30" to 37°15', long 84° to 84°07'30". Scale 1:24,000. Contour interval 20 feet. 30 by 33½ inches. \$1.
- GQ-246. Geology of the Kirksey quadrangle, Kentucky, by H. G. Wilshire. 1963. Lat 36°37'30" to 36°45', long 88°22'30" to 88°30'. Scale 1:24,000. Contour interval 10 feet. 30 by 33½ inches. \$1.
- GQ-247. Geology of the Tyner quadrangle, Kentucky, by G. L. Snyder. 1963. Lat 37°15' to 37°22'30", long 83°52'30" to 84°. Scale 1:24,000. Contour interval 20 feet. 30 by 33 inches. \$1.
- GQ-248. Geology of the Manzanita Lake quadrangle, California, by G. A. Macdonald. 1963. Lat 40°30' to 40°45', long 121°30' to 121°45'. Scale 1:62,500. Contour interval 40 feet. 27 by 31 inches. \$1.
- GQ-249. Geology of the Columbia quadrangle, Kentucky, by R. Q. Lewis, Sr., and R. E. Thaden. 1963. Lat 37° to 37°07'30", long 85°15' to 85°22'30". Scale 1:24,000. Contour interval 10 feet. 30 by 32½ inches. \$1.
- GQ-250. Geology of the Paradise Peak quadrangle, Nevada, by C. J. Vitaliano and Eugene Callaghan. 1963 [1964]. Lat 38°45' to 39°, long 117°45' to 118°. Scale 1:62,500. 27 by 27 inches. \$1.
- GQ-251. Geology of the Lucas quadrangle, Kentucky, by D. D. Haynes. 1963. Lat 36°52'30" to 37°, long 86° to 86°07'30". Scale 1:24,000. Contour interval 20 feet. 30 by 33 inches. \$1.

- GQ-252. Geology of the Madisonville East quadrangle, Kentucky, by T. M. Kehn. 1963. Lat 37°15' to 37°22'30", long 87°22'30" to 87°30'. Scale 1:24,000. Contour interval 10 feet. 31 by 34 inches. \$1.
- GQ-253. Geology of the Gamaliel quadrangle, Kentucky, by D. E. Trimble. 1963. Lat 36°37'30" to 36°45', long 85°45' to 85°52'30". Scale 1:24,000. Contour interval 20 feet. 30 by 33 inches. \$1.
- GQ-254. Geology of the Fountain Run quadrangle, Kentucky-Tennessee, by Warren Hamilton. 1963. Lat 36°37'30" to 36°45', long 85°52'30" to 86°. Scale 1:24,000. Contour interval 20 feet. 30 by 35 inches. \$1.
- GQ-255. Geology of the Eddyville quadrangle, Kentucky, by W. B. Rogers. 1963. Lat 37° to 37°07'30", long 88° to 88°07'30". Scale 1:24,000. Contour interval 10 feet. 31 by 33½ inches. \$1.
- GQ-256. Geology of the Brisbin quadrangle, Montana, by A. E. Roberts. 1964. Lat 45°30' to 45°37'30", long 110°30' to 110°37'30". Scale 1:24,000. 29 by 30 inches. \$1.
- GQ-257. Geology of the Chimney Rock quadrangle, Montana, by A. E. Roberts. 1964. Lat 45°30' to 45°37'30", long 110°37'30" to 110°45'. Scale 1:24,000. 29 by 31 inches. \$1.
- GQ-258. Geology of the Hoppers quadrangle, Montana, by A. E. Roberts. 1964. Lat 45°37'30" to 45°45', long 110°37'30" to 110°45'. Scale 1:24,000. 26 by 28 inches. \$1.
- GQ-259. Geology of the Livingston quadrangle, Montana, by A. E. Roberts. 1964. Lat 45°37'30" to 45°45', long 110°30' to 110°37'30". Scale 1:24,000. 27 by 29 inches. \$1.
- GQ-260. Geology of the Whitley City quadrangle, Kentucky, and the Kentucky part of the Winfield quadrangle, by J. B. Pomerene. 1964. Lat about 36°35'30" to 36°45', long 84°22'30" to 84°30'. Scale 1:24,000. Structure-contour interval 20 feet. 34 by 36 inches. \$1.
- GQ-261. Geology of the Big Spring quadrangle, Kentucky, by W. L. Peterson. 1964. Lat 37°45' to 37°52'30", long 86°07'30" to 86°15'. Scale 1:24,000. Structure-contour interval 20 feet. 30 by 34 inches. \$1.
- GQ-262. Pre-Quaternary geology of the Pemberton quadrangle, New Jersey, by J. P. Owens and J. P. Minard. 1964. Lat 39°52'30" to 40°, long 74°37'30" to 74°45'. Scale 1:24,000. 29 by 36 inches. \$1.
- GQ-263. Geology of the Cecilia quadrangle, Kentucky, by R. C. Kepferle. 1963. Lat 37°37'30" to 37°45', long 85°52'30" to 86°. Scale 1:24,000. Contour interval 20 feet. 30½ by 33 inches. \$1.
- GQ-264. Pre-Quaternary geology of the Browns Mills quadrangle, New Jersey, by J. P. Minard and J. P. Owens. 1963 [1964]. Lat 39°52'30" to 40°, long 74°30' to 74°37'30". Scale 1:24,000. 28 by 40½ inches. \$1.
- GQ-265. Geology of the Assawompset Pond quadrangle, Massachusetts, by Carl Koteff. 1964. Lat 41°45' to 41°52'30", long 70°52'30" to 71°. Scale 1:24,000. 30 by 50 inches \$1.
- GQ-266. Geology of the Hazel Green quadrangle, Kentucky, by W. B. Cashion. 1963. Lat 37°45' to 37°52'30", long 83°22'30" to 83°30'. Scale 1:24,000. Contour interval 20 feet. 31 by 35 inches. \$1.
- GQ-267. Geology of the Central City quadrangle, Colorado, by P. K. Sims. 1964. Lat 39°45' to 39°52'30", long 105°30' to 105°37'30". Scale 1:24,000. 28 by 40 inches. \$1.
- GQ-268. Geology of the Lynn Grove quadrangle in Kentucky, by W. W. Olive. 1963. Lat 36°30' to 36°37'30", long 88°22'30" to 88°30'. Scale 1:24,000. Contour interval 10 feet. 30 by 32 inches. \$1.

- GQ-269. Geology of the Water Valley quadrangle in Kentucky, by W. I. Finch. 1963. Lat 36°30' to 36°37'30", long 88°45' to 88°52'30". Scale 1:24,000. Contour interval 10 feet. 30 by 33 inches. \$1.
- GQ-270. Geology of the Crutchfield quadrangle in Kentucky, by H. G. Wilshire. 1963. Lat 36°30' to 36°37'30", long 88°52'30" to 89°. Scale 1:24,000. Contour interval 10 feet. 30 by 31 inches. \$1.
- GQ-271. Surficial geology of the Salem quadrangle, Massachusetts, by R. N. Oldale. 1964. Lat 42°30' to 42°37'30", long 70°52'30" to 71°. Scale 1:24,000. 27 by 28½ inches. Accompanied by 4-page text. \$1.
- GQ-272. Pre-Quaternary geology of the Mount Holly quadrangle, New Jersey, by J. P. Minard, J. P. Owens, and T. C. Nichols. 1964. Lat 39°52'30" to 40°, long 74°45' to 74°52'30". Scale 1:24,000. 28 by 36 inches. \$1.
- GQ-273. Geology of the Cloverport quadrangle, Kentucky-Indiana, and the Kentucky part of the Cannelton quadrangle, by M. H. Bergendahl. 1965. Lat 37°45' to about 37°54'30", long 86°37'30" to 86°45'. Scale 1:24,000. Structure-contour interval 20 feet. 34 by 36 inches. \$1.
- GQ-274. Geology of the Cumberland Falls quadrangle, Kentucky, by J. H. Smith. 1963 [1964]. Lat 36°45' to 36°52'30", long 84°15' to 84°22'30". Scale 1:24,000. Structure-contour interval 20 feet. 30½ by 33 inches. \$1.
- GQ-275. Geology of the South Union quadrangle, Kentucky, by Harry Klemic. 1963. Lat 36°52'30" to 37°, long 86°37'30" to 86°45'. Scale 1:24,000. Contour interval of topographic base map 10 feet. Structure-contour interval 20 feet. 30 by 33 inches. \$1.
- GQ-276. Geology of the Salyersville North quadrangle, Kentucky, by W. L. Adkinson and J. E. Johnston. 1964. Lat 37°45' to 37°52'30", long 83° to 83°07'30". Scale 1:24,000. 34 by 34 inches. \$1.
- GQ-277. Geology of the Drake quadrangle, Kentucky, by S. L. Moore. 1963. Lat 36°45' to 36°52'30", long 86°22'30" to 86°30'. Scale 1:24,000. Contour interval 20 feet. 30 by 32½ inches. \$1.
- GQ-278. Geology of the Clarkson quadrangle, Kentucky, by E. E. Glick. 1963. [1964]. Lat 37°22'30" to 37°30', long 86°07'30" to 86°15'. Scale 1:24,000. Structure-contour interval 20 feet. 31 by 33 inches. \$1.
- GQ-279. Geology of the Canton quadrangle, Kentucky, by K. F. Fox, Jr., and D. A. Seeland. 1963 [1964]. Lat 36°45' to 36°52'30", long 87°52'30" to 88°. Scale 1:24,000. Structure-contour interval 40 feet. 32 by 34 inches. \$1.
- GQ-280. Geology of the Woodburn quadrangle, Kentucky, by F. R. Shawe. 1963. Lat 36°45' to 36°52'30", long 86°30' to 86°37'30". Scale 1:24,000. Contour interval 10 feet. 31½ by 33 inches. \$1.
- GQ-281. Geology of the Franklin quadrangle, Kentucky-Tennessee, by F. R. Shawe. 1963. Lat 36°37'30" to 36°45', long 86°30' to 86°37'30". Scale 1:24,000. Contour interval 10 feet. 30 by 30 inches. \$1.
- GQ-282. Geology of the Shopville quadrangle, Kentucky, by N. L. Hatch, Jr. 1964. Lat 37°07'30" to 37°15', long 84°22'30" to 84°30'. Scale 1:24,000. Structure-contour interval 20 feet. 31½ by 33½ inches. \$1.
- GQ-283. Geology of the Washington West quadrangle, Pennsylvania, by H. L. Berryhill, Jr., and V. E. Swanson. 1964. Lat 40°07'30" to 40°15', long 80°15' to 80°22'30". Scale 1:24,000. Structure-contour interval 20 feet. 31 by 34 inches. \$1.
- GQ-284. Geology of the Pellville quadrangle, Kentucky, by F. D. Spencer. 1963 [1964]. Lat 37°45' to 37°52'30", long 86°45' to 86°52'30". Scale 1:24,000. Structure-contour interval 20 feet. 30 by 33 inches. \$1.
- GQ-285. Geology of the Allen Springs quadrangle, Kentucky, by S. L. Moore.

- 1963 [1964]. Lat 36°45' to 36°52'30", long 86°15' to 86°22'30". Scale 1:24,000. Structure-contour interval 20 feet. 30 by 32 inches. \$1.
- GQ-286. Geology of the Waterview quadrangle, Kentucky, by J. M. Cattermole. 1963 [1964]. Lat 36°45' to 36°52'30", long 85°22'30" to 85°30'. Scale 1:24,000. Structure-contour interval 20 feet. 30 by 33 inches. \$1.
- GQ-287. Geology of the Breeding quadrangle, Kentucky, by A. R. Taylor. 1964. Lat 36°52'30" to 37°, long 85°22'30" to 85°30'. Scale 1:24,000. Structure-contour interval 10 feet. 30 by 33 inches. \$1.
- GQ-288. Geology of the Meador quadrangle, Kentucky, by W. H. Nelson. 1963 [1964]. Lat 36°52'30" to 37°, long 86°07'30" to 86°15'. Scale 1:24,000. Structure-contour interval 20 feet. 30 by 33 inches. \$1.
- GQ-289. Geology of the Tygarts Valley quadrangle, Kentucky, by R. A. Shepard. 1964. Lat 38°22'30" to 38°30', long 83° to 83°07'30". Scale 1:24,000. Structure-contour interval 20 feet. 32 by 33 inches. \$1.
- GQ-290. Geology of the Dunmor quadrangle, Kentucky, by T. P. Miller. 1964. Lat 37° to 37°07'30", long 86°52'30" to 87°. Scale 1:24,000. Structure-contour intervals 10 and 20 feet. 31 by 35 inches. \$1.
- GQ-291. Geology of the Ironton quadrangle, Colorado, by W. S. Burbank and R. G. Luedke. 1964. Lat 37°52'30" to 38°, long 107°37'30" to 107°45'. Scale 1:24,000. 31½ by 35 inches. \$1.
- GQ-292. Geology of the New Madrid SE and Hubbard Lake quadrangles in Kentucky, by L. N. Baker. 1963. Lat 36°30' to 36°37'30", long 89°22'30" to 89°35'. Scale 1:24,000. Contour interval 10 feet. 30 by 34 inches. \$1.
- GQ-293. Geology of the Charters quadrangle, Kentucky, by R. H. Morris. 1965. Lat 38°30' to 38°37'30", long 83°22'30" to 83°30'. Scale 1:24,000. Structure-contour interval 20 feet. 30 by 33 inches. \$1.
- GQ-294. Geology of the Knifley quadrangle, Kentucky, by C. H. Maxwell. 1964. Lat 37°07'30" to 37°15', long 85°07'30" to 85°15'. Scale 1:24,000. Structure-contour interval 20 feet. 30 by 34 inches. \$1.
- GQ-295. Geology of the Fordsville quadrangle, Kentucky, by M. H. Bergendahl and A. E. Smith. 1964. Lat 37°37'30" to 37°45', long 86°37'30" to 86°45'. Scale 1:24,000. Structure-contour interval 20 feet. 30 by 33 inches. \$1.
- GQ-296. Geology of the Amity quadrangle, Pennsylvania, by H. L. Berryhill, Jr. 1964. Lat 40° to 40°07'30", long 80°07'30" to 80°15'. Scale 1:24,000. Structure-contour interval 20 feet. 31½ by 34½ inches. \$1.
- GQ-297. Geology of the Philpot quadrangle, Kentucky, by R. H. Calvert. 1964. Lat 37°37'30" to 37°45', long 86°52'30" to 87°. Scale 1:24,000. Structure-contour interval 20 feet. 31 by 33 inches. \$1.
- GQ-298. Geology of the Summit quadrangle, Kentucky, by F. B. Moore. 1964. Lat 37°30' to 37°37'30", long 86° to 86°07'30". Scale 1:24,000. Structure-contour interval 20 feet. 32½ by 33 inches. \$1.
- GQ-299. Geology of the Adolphus quadrangle, Kentucky-Tennessee, by W. H. Nelson. 1964. Lat 36°37'30" to 36°45', long 86°15' to 86°22'30". Scale 1:24,000. Structure-contour interval 20 feet. 30 by 33 inches. \$1.
- GQ-300. Geology of the Middlesboro North quadrangle, Kentucky, by K. J. Englund, J. B. Roen, and A. O. DeLaney. 1964. Lat 36°37'30" to 36°45', long 83°37'30" to 83°45'. Scale 1:24,000. Structure-contour interval 40 feet. 32 by 41 inches. \$1.
- GQ-301. Geology of the Middlesboro South quadrangle, Tennessee-Kentucky-Virginia, by K. J. Englund. 1964. Lat 36°30' to 36°37'30", long 83°37'30"

- to 83°45'. Scale 1:24,000. Structure-contour interval 40 feet. 35 by 43½ inches. \$1.
- GQ-302. Geology of the Constantine quadrangle, Kentucky, by E. G. Sable. 1964. Lat 37°37'30" to 37°45', long 86°07'30" to 86°15'. Scale 1:24,000. Structure-contour interval 20 feet. 31 by 34½ inches. \$1.
- GQ-303. Geology of the Tyrone quadrangle, Kentucky, by E. R. Cressman. 1964. Lat 38° to 38°07'30", long 84°45' to 84°52'30". Scale 1:24,000. Structure-contour interval 10 feet. 33 by 35 inches. \$1.
- GQ-304. Geology of the Blackwater quadrangle, Kentucky, by H. K. Stager. 1964. Lat 37° to 37°07'30", long 83°52'30" to 84°. Scale 1:24,000. Structure-contour interval 20 feet. 30 by 34 inches. \$1.
- GQ-305. Geology of the Mont quadrangle, Kentucky, by P. L. Weis and P. K. Theobald. 1964. Lat 36°52'30" to 37°, long 88° to 88°07'30". Scale 1:24,000. Structure-contour interval 40 feet. 32 by 34 inches. \$1.
- GQ-306. Geology of the Santa Rita quadrangle, New Mexico, by R. M. Hernon, W. R. Jones, and S. L. Moore. 1964. Lat 32°45' to 32°52'30", long 108° to 108°07'30". Scale 1:24,000. 36 by 41 inches. \$1.
- GQ-307. Geology of the Kelly quadrangle, Kentucky, by T. P. Miller. 1964. Lat 36°52'30" to 37°, long 87°22'30" to 87°30'. Scale 1:24,000. Structure-contour interval 20 feet. 32 by 33 inches. \$1.
- GQ-308. Geology of the Summer Shade quadrangle, Kentucky, by W. J. Hail, Jr. 1964. Lat 36°52'30" to 37°, long 85°37'30" to 85°45'. Scale 1:24,000. Structure-contour interval 20 feet. 30 by 30 inches. \$1.
- GQ-309. Geology of the Rockfield quadrangle, Kentucky, by H. C. Rainey III. 1964. Lat 36°52'30" to 37°, long 86°30' to 86°37'30". Scale 1:24,000. Structure-contour interval 20 feet. 31 by 33 inches. \$1.
- GQ-310. Geology of the Sheep Mountain quadrangle, Wyoming, by W. L. Rohrer. 1964. Lat 44°15' to 44°22'30", long 108°22'30" to 108°30'. Scale 1:24,000. 30 by 32½ inches. \$1.
- GQ-311. Geology of the Tatman Mountain quadrangle, Wyoming, by W. L. Rohrer. 1964. Lat 44°15' to 44°22'30", long 108°30' to 108°37'30". Scale 1:24,000. 31 by 33 inches. \$1.
- GQ-312. Geology of the Portsmouth quadrangle, Kentucky-Ohio, and parts of the Wheelersburg and New Boston quadrangles, Kentucky, by R. A. Shepard. 1964. Lat 38°37'30" to 38°45', long 82°52'30" to 83°. Scale 1:24,000. Structure-contour interval 20 feet. 32½ by 36 inches. \$1.
- GQ-313. Geology of the New Concord quadrangle and part of the Buchanan quadrangle, Kentucky, by H. G. Wilshire. 1964. Lat 36°30' to 36°37'30", long 88°07'30" to 88°15'. Scale 1:24,000. Structure-contour interval 10 feet. 30 by 34 inches. \$1.
- GQ-314. Geology of the Barthell quadrangle and part of the Oneida North quadrangle, Kentucky, by J. B. Pomerene. 1964. Lat 36°37'30" to 36°45', long 84°30' to 84°37'30". Scale 1:24,000. Structure-contour interval 20 feet. 33 by 36 inches. \$1.
- GQ-315. Geology of parts of the Rockport and Lewisport quadrangles, Kentucky, by F. D. Spencer. 1964. Lat 37°52'30" to 37°58'30", long 86°52'30" to 87°02'30". Scale 1:24,000. Structure-contour interval 20 feet. 26 by 35 inches. \$1.
- GQ-316. Geology of the Boltsfork quadrangle and part of the Burnaugh quadrangle, Kentucky, by F. D. Spencer. 1964. Lat 38°15' to 38°22'30", long 82°37'30" to 82°45'. Scale 1:24,000. Structure-contour interval 20 feet. 30 by 41 inches. \$1.

- GQ-317. Geology of the Fenton quadrangle, Kentucky, by R. W. Schnabel and J. A. MacKallor. 1964. Lat 36°45' to 36°52'30", long 88° to 88°07'30". Scale 1:24,000. Structure-contour interval 40 feet. 33 by 33 inches. \$1.
- GQ-318. Geology of the Manchester quadrangle, Kentucky, by T. L. Finnell. 1964. Lat 37°07'30" to 37°15', long 83°45' to 83°52'30". Scale 1:24,000. 31½ by 33½ inches. \$1.
- GQ-319. Geology of the Hima quadrangle, Kentucky, by R. G. Reeves. 1964. Lat 37° to 37°07'30", long 83°45' to 83°52'30". Scale 1:24,000. 20½ by 34 inches. \$1.
- GQ-320. Geology of the Fairdealing quadrangle, Kentucky, by E. W. Wolfe. 1964. Lat 36°45' to 36°52'30", long 88°07'30" to 88°15'. Scale 1:24,000. Structure-contour interval 40 feet. 30 by 34 inches. \$1.
- GQ-321. Geology of the Pleasant Green Hill quadrangle, Kentucky, by W. H. Nelson. 1964. Lat 36°52'30" to 37°, long 87°30' to 87°37'30". Scale 1:24,000. Structure-contour interval 20 feet. 30 by 33½ inches. \$1.
- GQ-322. Geology of the Cuba quadrangle, Kentucky, by L. V. Blade. 1964. Lat 36°30' to 36°37'30", long 88°37'30" to 88°45'. Scale 1:24,000. 30 by 33 inches. \$1.
- GQ-323. Geology of the Sulphur Lick quadrangle, Kentucky, by L. D. Harris. 1964. Lat 36°45' to 36°52'30", long 85°37'30" to 85°45'. Scale 1:24,000. Structure-contour interval 20 feet. 30½ by 33 inches. \$1.
- GQ-324. Geology of the Brushart quadrangle, Kentucky, by C. S. Denny. 1964. Lat 38°30' to 38°37'30", long 83° to 83°07'30". Scale 1:24,000. 30 by 33 inches. \$1.
- GQ-325. Geology of the Versailles quadrangle, Kentucky, by D. F. B. Black. 1964. Lat 38° to 38°07'30", long 84°37'30" to 84°45'. Scale 1:24,000. Structure-contour interval 10 feet. 30 by 34 inches. \$1.
- GQ-326. Geology of the Symsonia quadrangle, Kentucky, by W. I. Finch. 1964. Lat 36°52'30" to 37°, long 88°30' to 88°37'30". Scale 1:24,000. 31½ by 34 inches. \$1.
- GQ-327. Geology of the Briensburg quadrangle, Kentucky, by T. W. Lambert and L. M. MacCary. 1964. Lat 36°52'30" to 37°, long 88°15' to 88°22'30". Scale 1:24,000. 30 by 34 inches. \$1.
- GQ-328. Geology of the Grand Rivers quadrangle, Kentucky, by W. H. Hays. 1964. Lat 37° to 37°07'30", long 88°07'30" to 88°15'. Scale 1:24,000. Structure-contour interval 40 feet. 30½ by 33 inches. \$1.
- GQ-329. Surficial geology of the Niantic quadrangle, Connecticut, by Richard Goldsmith. 1964. Lat 41°15' to 41°22'30", long 72°07'30" to 72°15'. Scale 1:24,000. 27 by 29 inches. \$1.
- GQ-330. Geology of the Greenville quadrangle, Maine, by G. H. Espenshade and E. L. Boudette. 1964. Lat 45°15' to 45°30', long 60°30' to 69°45'. Scale 1:62,500. 20½ by 25½ inches. \$1.
- GQ-331. Surficial geology of the Concord quadrangle, Massachusetts, by Carl Koteff. 1964. Lat 42°22'30" to 42°30', long 71°15' to 71°22'30". Scale 1:24,000. 26 by 28 inches. Accompanied by 4-page text. \$1.
- GQ-332. Geology of the Hico quadrangle, Kentucky, by W. W. Olive. 1965. Lat 36°37'30" to 36°45', long 88°07'30" to 88°15'. Scale 1:24,000. 30½ by 34 inches. \$1.
- GQ-333. Geology of the Ellsworth quadrangle, Pennsylvania, by H. L. Berryhill, Jr., and S. P. Schweinfurth. 1964. 40° to 40°07'30", long 80° to

- 80°07'30". Scale 1:24,000. Structure-contour interval 20 feet. 31 by 33 inches. \$1.
- GQ-334. Geology of the Washington East quadrangle, Pennsylvania, by V. E. Swanson and H. L. Berryhill, Jr. 1964. Lat 40°07'30", to 40°15', long 80°07'30" to 80°15'. Scale 1:24,000. Structure-contour interval 20 feet. 31 by 34 inches. \$1.
- GQ-335. Bedrock geology of the Willimantic quadrangle, Connecticut, by G. L. Snyder. 1964. Lat 41°37'30" to 41°45', long 72°07'30" to 72°15'. Scale 1:24,000. 31 by 33 inches. \$1.
- GQ-336. Geology of the French Gulch quadrangle, California, by J. P. Albers, A. R. Kinkel, Jr., A. A. Drake, and W. P. Irwin. 1964. Lat 40°30' to 40°45', long 122°30' to 122°45'. Scale 1:62,500. 24 by 25 inches. \$1.
- GQ-337. Geology of the Montpelier quadrangle, Kentucky, by R. Q. Lewis, Sr., and R. E. Thaden. 1964. Lat 37° to 37°07'30", long 85°07'30" to 85°15'. Scale 1:24,000. Structure-contour interval 10 feet. 30 by 33 inches. \$1.
- GQ-338. Geology of the Maretburg quadrangle, Kentucky, by S. O. Schlanger. 1965. Lat 37°15' to 37°22'30", long 84°22'30" to 84°30'. Scale 1:24,000. Structure-contour interval 20 feet. 31 by 33 inches. \$1.
- GQ-339. Geology of the Glasgow North quadrangle, Kentucky, by D. D. Haynes. 1964. Lat 37° to 37°07'30", long 85°52'30" to 86°. Scale 1:24,000. Structure-contour interval 20 feet. 31 by 33 inches. \$1.
- GQ-340. Geology of the Roosevelt quadrangle, New Jersey, by J. P. Minard. 1964. Lat 40°07'30" to 40°15', long 74°22'30" to 74°30'. Scale 1:24,000. 28½ by 35 inches. \$1.
- GQ-341. Pre-Quaternary geology of the Trenton East quadrangle, New Jersey-Pennsylvania, by J. P. Owens and J. P. Minard. 1964. Lat 40°07'30" to 40°15', long 74°37'30" to 74°45'. Scale 1:24,000. 29 by 33 inches. \$1.
- GQ-342. Pre-Quaternary geology of the Bristol quadrangle, New Jersey-Pennsylvania, by J. P. Owens and J. P. Minard. 1964. Lat 40° to 40°07'30", long 74°45' to 74°52'30". Scale 1:24,000. 29 by 34½ inches. \$1.
- GQ-343. Geology of the Hazard South quadrangle, Kentucky, by W. P. Puffett. 1964. Lat 37°07'30" to 37°15', long 83°07'30" to 83°15'. Scale 1:24,000. 32 by 34 inches. \$1.
- GQ-344. Geology of the Hazard North quadrangle, Kentucky, by V. M. Seiders. 1964. Lat 37°15' to 37°22'30", long 83°07'30" to 83°15'. Scale 1:24,000. 30½ by 33½ inches. \$1.
- GQ-345. Geology of the Prospect Peak quadrangle, California, by G. A. Macdonald. 1964. Lat 40°30' to 40°45', long 121°15' to 121°30'. Scale 1:62,500. 25 by 30 inches. \$1.
- GQ-346. Geology of the Madisonville West quadrangle, Kentucky, by T. M. Kehn. 1964. Lat 37°15' to 37°22'30", long 87°30' to 87°37'30". Scale 1:24,000. Structure-contour interval 20 feet. 30 by 34 inches. \$1.
- GQ-347. Geology of the Lancer quadrangle, Kentucky, by C. L. Rice. 1964. Lat 37°37'30" to 37°45', long 82°37'30" to 82°45'. Scale 1:24,000. Structure-contour interval 40 feet. 31½ by 33 inches. \$1.
- GQ-348. Geology of the Offutt quadrangle, Kentucky, by W. F. Outerbridge. 1964 [1965]. Lat 37°45' to 37°52'30", long 82°37'30" to 82°45'. Scale 1:24,000. Structure-contour interval 40 feet. 31 by 34 inches. \$1.
- GQ-349. Geology of the Freedom quadrangle, Kentucky, by S. L. Moore.

1964. Lat 36°45' to 36°52'30", long 85°45' to 85°52'30". Scale 1:24,000. Structure-contour interval 20 feet. 30 by 33 inches. \$1.
- GQ-350. Geologic map of the Big Maria Mountains NE quadrangle, Riverside County, Calif., and Yuma County, Ariz., by Warren Hamilton. 1964. Lat 33°52'30" to 34°, long 114°30' to 114°37'30". Scale 1:24,000. 32½ by 35½ inches. \$1.
- GQ-351. Geology of the Mammoth Cave quadrangle, Kentucky, by D. D. Haynes. 1964. Lat 37°07'30" to 37°15', long 86° to 86°07'30". Scale 1:24,000. Structure-contour interval 20 feet. 30 by 33 inches. \$1.
- GQ-352. Geology of the Petroleum quadrangle, Kentucky-Tennessee, by W. B. Myers. 1964. Lat 36°37'30" to 36°45', long 86°07'30" to 86°15'. Scale 1:24,000. Structure-contour interval 20 feet. 30½ by 33 inches. \$1.
- GQ-353. Geology of the Oldtown quadrangle, Kentucky, by C. L. Whittington and J. C. Ferm. 1965. Lat 38°22'30" to 38°30', long 82°52'30" to 83°. Scale 1:24,000. Structure-contour interval 20 feet. 30½ by 38 inches. \$1.
- GQ-354. Geology of the Dough Mountain quadrangle, New Mexico, by R. H. Moench. 1964. Lat 34°52'30" to 35°, long 107°15' to 107°22'30". Scale 1:24,000. 27 by 28 inches. \$1.
- GQ-355. Geology of the South Butte quadrangle, Valencia County, N. Mex., by R. H. Moench. 1964. Lat 34°52'30" to 35°, long 107°22'30" to 107°30'. Scale 1:24,000. 28 by 41 inches. \$1.
- GQ-356. Geology of the Tell City quadrangle, Kentucky-Indiana, by F. D. Spencer. 1964. Lat 37°52'30" to 38°, long 86°45' to 86°52'30". Scale 1:24,000. Structure-contour interval 20 feet. 30 by 34 inches. \$1.
- GQ-357. Geology of the Smiths Grove quadrangle, Kentucky, by P. W. Richards. 1964. Lat 37° to 37°07'30", long 86°07'30" to 86°15'. Scale 1:24,000. 30 by 33½ inches. \$1.
- GQ-358. Bedrock geologic map of the Big Lake quadrangle, Washington County, Maine, by D. M. Larrabee. 1964. Lat 45° to 45°15', long 67°30' to 67°45'. Scale 1:62,500. 25 by 34 inches. \$1.
- GQ-359. Geology of the Portersburg quadrangle, Kentucky, by J. B. Pomereene. 1964. Lat 37°07'30" to 37°15', long 83°52'30" to 84°. Scale 1:24,000. 30½ to 33½ inches. \$1.
- GQ-360. Geology of the Slaughters quadrangle, Kentucky, by T. M. Kehn. 1964. Lat 37°22'30" to 37°30', long 87°30' to 87°37'30". Scale 1:24,000. 31 by 34 inches. \$1.
- GQ-361. Geology of the Mattingly quadrangle, Kentucky-Indiana, by L. D. Clark and M. D. Crittenden, Jr. 1965. Lat 37°45' to 37°52'30", long 86°30' to 86°37'30". Scale 1:24,000. Structure-contour interval 20 feet. 33 by 33½ inches. \$1.
- GQ-362. Geology of the Rome quadrangle in Kentucky, by M. D. Crittenden, Jr., and R. K. Hose. 1965. Lat 37°52'30" to 38°, long 86°30' to 86°37'30". Scale 1:24,000. Structure-contour interval 20 feet. 30½ by 34 inches. \$1.
- GQ-363. Geologic map of the Jangle Ridge quadrangle, Nye and Lincoln Counties, Nev., by Harley Barnes, R. L. Christiansen, and F. M. Byers, Jr. 1965. Lat 37°07'30" to 37°15', long 115°52'30" to 116°. Scale 1:24,000. 33 by 34 inches. \$1.
- GQ-364. Geology of the Linville quadrangle, North Carolina-Tennessee, by Bruce Bryant. 1965. Lat 36° to 36°15', long 81°45' to 82°. Scale 1:62,500. 28 by 36 inches. \$1.

- GQ-365. Geology of the Hanson quadrangle, Kentucky, by G. J. Franklin. 1965. Lat 37°22'30" to 37°30', long 87°22'30" to 87°30'. Scale 1:24,000. Structure-contour interval 20 feet. 31 by 34 inches. \$1.
- GQ-366. Geologic map of the Mount Hayes D-3 quadrangle, Alaska, by G. W. Holmes and T. L. Péwé. 1965. Lat 63°45' to 64°, long 145° to 145°30'. Scale 1:63,360. 23 by 48 inches. \$1.
- GQ-367. Geology of the Dunnville quadrangle, Kentucky, by C. H. Maxwell. 1965. Lat 37°07'30" to 37°15', long 85° to 85°07'30". Scale 1:24,000. Structure-contour intervals 10 and 20 feet. 30 by 33 inches. \$1.
- GQ-368. Geology of the Jackass Flats quadrangle, Nye County, Nev., by E. J. McKay and W. P. Williams. 1964. Lat 36°45' to 36°52'30", long 116°15' to 116°22'30". Scale 1:24,000. 32 by 34 inches. \$1.
- GQ-369. Geology of the Cane Valley quadrangle, Kentucky, by C. H. Maxwell and W. B. Turner. 1964. Lat 37°07'30" to 37°15', long 85°15' to 85°22'30". Scale 1:24,000. Structure-contour interval 20 feet. 30 by 33 inches. \$1.
- GQ-370. Bedrock geologic map of the Tariffville quadrangle, Hartford County, Conn., and Hampden County, Mass., by R. W. Schnabel and J. H. Eric. 1965. Lat 41°52'30" to 42°, long 72°45' to 72°52'30". Scale 1:24,000. 25 by 32 inches. \$1.
- GQ-371. Geologic map of the La Gotera quadrangle, Sandoval and Valencia Counties, N. Mex., by R. H. Moench, J. S. Schlee, and W. B. Bryan. 1965. Lat 35°15' to 35°22'30", long 107°07'30" to 107°15'. Scale 1:24,000. Structure-contour interval 100 feet. 28 by 28 inches. \$1.
- GQ-372. Geology of the Mayfield quadrangle, Graves County, Ky., by W. I. Finch. 1965. Lat 36°37'30" to 36°45', long 88°37'30" to 88°45'. Scale 1:24,000. 30 by 33 inches. \$1.
- GQ-373. Geology of the Matewan quadrangle in Kentucky, by V. A. Trent. 1965. Lat 37°30' to 37°37'30", long 82°07'30" to 85°15'. Scale 1:24,000. Structure-contour interval 40 feet. 34 by 36 inches. \$1.
- GQ-374. Geology of the Montesano quadrangle, Washington, by H. D. Gower and M. H. Pease, Jr. 1965. Lat 46°45' to 47°, long 123°30' to 123°45'. Scale 1:62,500. 21 by 25½ inches. \$1.
- GQ-375. Geologic map of the Packsaddle Mountain quadrangle, Idaho, by J. E. Harrison and D. A. Jobin. 1965. Lat 48° to 48°15', long 116°15' to 116°30'. Scale 1:62,500. 20 by 29 inches. Accompanied by 4-page text. \$1.
- GQ-376. Geology of the Honey Grove quadrangle, Kentucky, by Harry Klemic. 1965. Lat 36°52'30" to 37° long 87°15' to 87°22'30". Scale 1:24,000. Structure-contour interval 20 feet. 30 by 33 inches. \$1.
- GQ-377. Geology of the Draper quadrangle, Utah, by M. D. Crittenden, Jr. 1965. Lat 40°30' to 40°37'30", long 111°45' to 111°52'30". Scale 1:24,000. 29 by 32 inches. \$1.
- GQ-378. Geology of the Dromedary Peak quadrangle, Utah, by M. D. Crittenden, Jr. 1965. Lat 40°30' to 40°37'30", long 111°37'30" to 111°45'. Scale 1:24,000. 32 by 33 inches. \$1.
- GQ-379. Geology of the Mount Aire quadrangle, Salt Lake County, Utah, by M. D. Crittenden, Jr. 1965. Lat 40°37'30" to 40°45', long 111°37'30" to 111°45'. Scale 1:24,000. 30 by 33 inches. \$1.
- GQ-380. Geology of the Sugar House quadrangle, Salt Lake County, Utah, by M. D. Crittenden, Jr. 1965. Lat 40°37'30" to 40°45', long 111°45' to 111°52'30". Scale 1:24,000. 31 by 32 inches. \$1.

- GQ-381. Bedrock geologic map of the Sawtooth Ridge quadrangle, Teton and Lewis and Clark Counties, Mont., by M. R. Mudge. 1965. Lat 47°30' to 47°37'30", long 112°37'30" to 112°45'. Scale 1:24,000. 35 by 35 inches. \$1.
- GQ-382. Geologic map of the Adam Weiss Peak quadrangle, Hot Springs and Park Counties, Wyo., by W. L. Rohrer. 1965. Lat 43°52'30" to 44°, long 108°45' to 108°52'30". Scale 1:24,000. Structure-contour interval 200 feet. 25 by 30 inches. \$1.
- GQ-383. Geology of the Russell Springs quadrangle, Kentucky, by R. Q. Lewis, Sr., and R. E. Thaden. 1965. Lat 37° to 37°07'30", long 85° to 85°07'30". Scale 1:24,000. Structure-contour interval 10 feet. 30 by 33½ inches. \$1.
- GQ-384. Geologic map of the Plutonium Valley quadrangle, Nye and Lincoln Counties, Nev., by E. N. Hinrichs and E. J. McKay. 1965. Lat 36°52'30" to 37°, long 115°52'30" to 116°. Scale 1:24,000. 30 by 32 inches. \$1.
- GQ-385. Geology of the Princeton West quadrangle, Kentucky, by R. D. Sample. 1965. Lat 37° to 37°07'30", long 87°52'30" to 88°. Scale 1:24,000. Structure-contour interval 50 feet. 29½ by 33 inches. \$1.
- GQ-386. Geology of the Cub Run quadrangle, Kentucky, by C. A. Sandberg and C. G. Bowles. 1965. Lat 37°15' to 37°22'30", long 86° to 86°07'30". Scale 1:24,000. Structure-contour interval 20 feet. 33½ by 33½ inches. \$1.
- GQ-387. Geologic map of the Skull Mountain quadrangle, Nye County, Nev., by E. B. Ekren and K. A. Sargent. 1965. Lat 36°45' to 36°52'30", long 116°07'30" to 116°15'. Scale 1:24,000. 30½ by 37 inches. \$1.
- GQ-388. Bedrock geologic map of the Windsor Locks quadrangle, Hartford County, Conn., by R. W. Schnabel and J. H. Eric. 1964. Lat 41°52'30" to 42°, long 72°37'30" to 72°45'. Scale 1:24,000. 28 by 30½ inches. \$1.
- GQ-389. Geology of the Krypton quadrangle, Kentucky, by R. B. Mixon. 1965. Lat 37°15' to 37°22'30", long 83°15' to 83°22'30". Scale 1:24,000. Structure-contour interval 20 feet. 30½ by 34 inches. \$1.
- GQ-390. Geologic map of the Big Judson quadrangle, Albany County, Wyo., by Harry McAndrews. 1964 [1965]. Lat 41°30' to 41°37'30", long 105°52'30" to 106°. Scale 1:24,000. 27 by 29 inches. \$1.
- GQ-391. Geologic map of the Cooper Lake South quadrangle, Albany County, Wyo., by Harry McAndrews. 1964. Lat 41°30' to 41°37'30", long 105°45' to 105°52'30". Scale 1:24,000. 26 by 28½ inches. \$1.
- GQ-392. Geologic map of the Scotland quadrangle, Connecticut, by H. R. Dixon and C. E. Shaw, Jr. 1965. Lat 41°37'30" to 41°45' long 72° to 72°07'30". Scale 1:24,000. 31½ by 34 inches. Accompanied by 3-page text. \$1.
- GQ-393. Geology of the Eli quadrangle, Kentucky, by R. E. Thaden and R. Q. Lewis, Sr. 1965. Lat 37° to 37°07'30", long 84°52'30" to 85°. Scale 1:24,000. Structure-contour interval 10 feet. 30½ by 36 inches. \$1.
- GQ-394. Geologic map of the Stricklett quadrangle, northeastern Kentucky, by R. H. Morris. 1965 [1966]. Lat 38°22'30" to 38°30', long 83°22'30" to 83°30'. Scale 1:24,000. Structure-contour interval 20 feet. 30½ by 36 inches. \$1.
- GQ-395. Geology of the Phil quadrangle, Kentucky, by C. H. Maxwell. 1965. Lat 37°07'30" to 37°15', long 84°52'30" to 85°. Scale 1:24,000. Structure-contour interval 20 feet. 30 by 33 inches. \$1.
- GQ-396. Geology of the Burtonville quadrangle, Kentucky, by R. H. Morris.

1965. Lat 38°22'30" to 38°30', long 83°30' to 83°37'30". Scale 1:24,000. Structure-contour interval 20 feet. 30½ by 33 inches. \$1.
- GQ-397. Geologic map of the Fort Lupton quadrangle, Weld and Adams Counties, Colo., by P. E. Soister. 1965. Lat 40° to 40°07'30", long 104°45' to 104°52'30". Scale 1:24,000. Structure-contour interval 100 feet. 28 by 29 inches. \$1.
- GQ-398. Geologic map of the Hudson quadrangle, Weld and Adams Counties, Colo., by P. E. Soister. 1965. Lat 40° to 40°07'30", long 104°37'30" to 104°45'. Scale 1:24,000. Structure-contour interval 100 feet. 28 by 29 inches. \$1.
- GQ-399. Geologic map of the Platteville quadrangle, Weld County, Colo., by P. E. Soister. 1965. Lat 40°07'30" to 40°15', long 104°45' to 104°52'30". Scale 1:24,000. Structure-contour interval 100 feet. 26½ by 26½ inches. \$1.
- GQ-400. Geology of parts of the Shetlerville and Rosiclare quadrangles, Kentucky, by D. H. Amos. 1965. Lat 37°22'30" to 37°30', long 88°15' to 88°30'. Scale 1:24,000. Structure-contour interval 40 feet. 33 by 48 inches. \$1.
- GQ-401. Geology of the Hiseville quadrangle, Kentucky, by D. D. Haynes. 1965. Lat 37° to 37°07'30", long 85°45' to 85°52'30". Scale 1:24,000. Structure-contour interval 20 feet. 31 by 34 inches. \$1.
- GQ-402. Geology of the Temple Hill quadrangle, Barren County, Ky., by S. L. Moore and R. C. Miller. 1965. Lat 36°52'30" to 37°, long 85°45' to 85°52'30". Scale 1:24,000. Structure-contour interval 20 feet. 30 by 33 inches. \$1.
- GQ-403. Bedrock geologic map of the Ashaway quadrangle, Connecticut-Rhode Island, by Tomas Feininger. 1965. Lat 41°22'30" to 41°30', long 71°45' to 71°52'30". Scale 1:24,000. 28 by 36 inches. \$1.
- GQ-404. Geologic map of the Woodstown quadrangle, Gloucester and Salem Counties, N.J., by J. P. Minard. 1965. Lat 39°37'30" to 39°45', long 75°15' to 75°22'30". Scale 1:24,000. 29 by 35 inches. \$1.
- GQ-405. Geologic map of the Renton quadrangle, King County, Wash., by D. R. Mullineaux. 1965. Lat 47°22'30" to 47°30', long 122°07'30" to 122°15'. Scale 1:24,000. 30 by 31 inches. \$1.
- GQ-406. Geologic map of the Auburn quadrangle, King and Pierce Counties, Wash., by D. R. Mullineaux. 1965. Lat 47°15' to 47°22'30", long 122°07'30" to 122°15'. Scale 1:24,000. 31 by 31 inches. \$1.
- GQ-407. Geologic map of the Black Diamond quadrangle, King County, Wash., by D. R. Mullineaux. 1965. Lat 47°15' to 47°22'30", long 122° to 122°07'30". Scale 1:24,000. 30 by 31 inches. \$1.
- GQ-408. Geology of the Rush quadrangle, Kentucky, by J. E. Carlson. 1965. Lat 38°15' to 38°22'30", long 82°45' to 82°52'30". Scale 1:24,000. Structure-contour interval 20 feet. 32 by 34 inches. \$1.
- GQ-409. Geology of the Model quadrangle in Kentucky, by W. B. Rogers. 1965. Lat 36°37'30" to 36°45', long 87°52'30" to 88°. Scale 1:24,000. Structure-contour interval 40 feet. 32½ by 33½ inches. \$1.
- GQ-410. Surficial geologic map of the Watch Hill quadrangle, Rhode Island-Connecticut, by J. P. Schafer. 1965. Lat 41°15' to 41°22'30", long 71°45' to 71°52'30". Scale 1:24,000. 26½ by 28½ inches. \$1.
- GQ-411. Geology of the Brownsville quadrangle, Kentucky, by Benjamin

- Gildersleeve. 1965. Lat 37°07'30" to 37°15', long 86°15' to 86°22'30". Scale 1:24,000. Structure-contour interval 20 feet. 31 by 33½ inches. \$1.
- GQ-412. Geology of the Cadiz quadrangle, Trigg County, Ky., by K. F. Fox, Jr. 1965. Lat 36°45' to 36°52'30", long 87°45' to 87°52'30". Scale 1:24,000. Structure-contour interval 40 feet. 30½ by 33½ inches. \$1.
- GQ-413. Geology of the East Fork quadrangle, Kentucky, by J. M. Cattermole. 1965. Lat 37° to 37°07'30", long 85°30' to 85°37'30". Scale 1:24,000. Structure-contour interval 20 feet. 30½ by 33 inches. \$1.
- GQ-414. Geology of the Lynnville quadrangle in Kentucky, by T. W. Lambert. 1965. Lat 36°30' to 36°37'30", long 88°30' to 88°37'30". Scale 1:24,000. Contour interval 20 feet. 30 by 33 inches. \$1.
- GQ-415. Geology of the Auburn quadrangle, Kentucky, by H. C. Rainey III. 1965. Lat 36°45' to 36°52'30", long 86°37'30" to 86°45'. Scale 1:24,000. 30 by 33½ inches. \$1.
- GQ-416. Geology of the Glasgow South quadrangle, Barren County, Ky., S. L. Moore and R. C. Miller. 1965. Lat 36°52'30" to 37°, long 85°52'30" to 86°. Scale 1:24,000. Structure-contour interval 20 feet. 30 by 33 inches. \$1.
- GQ-417. Geology of the Millerstown quadrangle, Kentucky, by F. B. Moore. 1965. Lat 37°22'30" to 37°30', long 86° to 86°07'30". Scale 1:24,000. Structure-contour interval 20 feet. 31 by 34 inches. \$1.
- GQ-418. Geology of the Vicco quadrangle, Kentucky, by W. P. Puffett. 1965. Lat 37°07'30" to 37°15', long 83° to 83°07'30". Scale 1:24,000. Structure-contour interval 40 feet. 30½ by 34 inches. \$1.
- GQ-419. Geology of the Whitesville quadrangle, Kentucky, by R. H. Calvert. 1965. Lat 37°37'30" to 37°45', long 86°45' to 86°52'30". Scale 1:24,000. Structure-contour interval 20 feet. 30 by 33½ inches. \$1.
- GQ-420. Geology of the Hickory Flat quadrangle, Kentucky-Tennessee, by S. L. Moore. 1965. Lat 36°37'30" to 36°45', long 86°22'30" to 86°30'. Scale 1:24,000. Structure-contour interval 20 feet. 29 by 30½ inches. \$1.
- GQ-421. Geology of the Gresham quadrangle, Kentucky, by A. R. Taylor. 1965. Lat 37°07'30" to 37°15', long 85°22'30" to 85°30'. Scale 1:24,000. Structure-contour interval 20 feet. 30 by 33 inches. \$1.
- GQ-422. Geology of the Carrie quadrangle, Kentucky, by V. M. Seiders. 1965. Lat 37°15' to 37°22'30", long 83° to 83°07'30". Scale 1:24,000. Structure-contour interval 40 feet. 30½ by 34 inches. \$1.
- GQ-423. Geology of the Hyden East quadrangle, Kentucky, by H. J. Prostka. 1965. Lat 37°07'30" to 37°15', long 83°15' to 83°22'30". Scale 1:24,000. Structure-contour interval 40 feet. 30½ by 33½ inches. \$1.
- GQ-424. Geologic map of the Big Stone Gap quadrangle, Virginia, by R. L. Miller. 1965. Lat 36°45' to 36°52'30", long 82°45' to 82°52'30". Scale 1:24,000. 34 by 41 inches. \$1.
- GQ-425. Geologic map of the Snowball quadrangle, Newton and Searcy Counties, Ark., by E. E. Glick and S. E. Frezon. 1965. Lat 35°41' to 36°, long 92°45' to 93°. Scale 1:62,500. Structure-contour interval 100 feet. Also includes geologic map of the northwestern part of the quadrangle at a scale of 1:24,000, structure-contour interval 50 feet. 25 by 41 inches. Accompanied by 3-page text. \$1.
- GQ-426. Bedrock geologic map of the Ansonia quadrangle, Fairfield and New Haven Counties, Conn., by C. E. Fritts. 1965. Lat 41°15' to 41°22'30", long 73° to 73°07'30". Scale 1:24,000. 31 by 33 inches. \$1.

- GQ-427. Bedrock geologic map of the Milford quadrangle, Fairfield and New Haven Counties, Conn., by C. E. Fritts. 1965. Lat 41°07'30" to 41°15', long 73° to 73°07'30". Scale 1:24,000. 29 by 30½ inches. \$1.
- GQ-428. Geologic map of the Blackcap Mountain quadrangle, Fresno County, Calif., by P. C. Bateman. 1965. Lat 37° to 37°15', long 118°45' to 119°. Scale 1:62,500. 24 by 40½ inches. \$1.
- GQ-429. Geologic map of the Mount Goddard quadrangle, Fresno and Inyo Counties, Calif., by P. C. Bateman and J. G. Moore. 1965. Lat 37° to 37°15', long 118°30' to 118°45'. Scale 1:62,500. 26 by 42 inches. \$1.
- GQ-430. Geologic map of the Cooper Lake North quadrangle, Albany County, Wyo., by Harry McAndrews. 1965. Lat 41°37'30" to 41°45', long 105°45' to 105°52'30". Scale 1:24,000. 27 by 28 inches. \$1.
- GQ-431. Geologic map of the Bull Lake East quadrangle, Fremont County, Wyo., by G. M. Richmond and J. F. Murphy. 1965. Lat 43°07'30" to 43°15', long 109° to 109°07'30". Scale 1:24,000. 29 by 48 inches. \$1.
- GQ-432. Geologic map of the Bull Lake West quadrangle, Fremont County, Wyo., by J. F. Murphy and G. M. Richmond. 1965. Lat 43°07'30" to 43°15', long 109°07'30" to 109°15'. Scale 1:24,000. 33½ by 50 inches. \$1.
- GQ-433. Geologic map of the Manchester quadrangle, Hartford and Tolland Counties, Conn., by R. B. Colton. 1965. Lat 41°45' to 41°52'30", long 72°30' to 72°37'30". Scale 1:24,000. 31 by 31½ inches. \$1.
- GQ-434. Geologic map of the Broad Brook quadrangle, Hartford and Tolland Counties, Conn., by R. B. Colton. 1965. Lat 41°52'30" to 42°, long 72°30' to 72°37'30". Scale 1:24,000. 32½ by 34 inches. \$1.
- GQ-435. Geologic map of the Wheeler quadrangle, Claiborne County, Tenn., and Lee County, Va., by L. D. Harris. 1965. Lat 36°30' to 36°37'30", long 83°30' to 83°37'30". Scale 1:24,000. 31½ by 36½ inches. \$1.
- GQ-436. Bedrock geologic map of the Voluntown quadrangle, New London County, Conn., and Kent and Washington Counties, R.I., by Tomas Feininger. 1965. Lat 41°30' to 41°37'30", long 71°45' to 71°52'30". Scale 1:24,000. 28 by 31 inches. \$1.
- GQ-437. Geologic map of the Devils Postpile quadrangle, Sierra Nevada, Calif., by N. K. Huber and C. D. Rinehart. 1965. Lat 37°30' to 37°45', long 119° to 119°15'. Scale 1:62,500. 28 by 41 inches. \$1. (See also Professional Paper 554-D.)
- GQ-438. Geologic map of the Aldrich Mountain quadrangle, Grant County, Oreg., by T. P. Thayer and C. E. Brown. 1966. Lat 44°15' to 44°30', long 119°15' to 119°30'. Scale 1:62,500. 24 by 30 inches. Accompanied by 3-page text. \$1.
- GQ-439. Geologic map of the Topopah Spring SW quadrangle, Nye County, Nev., by P. W. Lipman and E. J. McKay. 1965. Lat 36°45' to 36°52'30", long 116°22'30" to 116°30'. Scale 1:24,000. 31 by 34 inches. \$1.
- GQ-440. Geologic map of the Keene quadrangle, central Kentucky, by E. R. Cressman. 1965. Lat 37°52'39" to 38°, long 84°37'30" to 84°45'. Scale 1:24,000. Structure-contour interval 10 feet. 30 by 33 inches. \$1.
- GQ-441. Geologic map of the Harold quadrangle, Floyd County, Ky., by C. L. Rice. 1965. Lat 37°30' to 37°37'30", long 82°37'30" to 82°45'. Scale 1:24,000. Structure-contour interval 40 feet. 32½ by 34 inches. \$1.
- GQ-442. Geologic map of the Broad Bottom quadrangle, eastern Kentucky, by T. C. Alvord. 1965. Lat 37°30' to 37°37'30", long 82°30' to 82°37'30". Scale 1:24,000. Structure-contour interval 40 feet. 33 by 35 inches. \$1.

- GQ-443. Geologic map of the Harvey Mountain quadrangle, Lassen County, Calif., by G. A. Macdonald. 1965. Lat 40°30' to 40°45', long 121° to 121°15'. Scale 1:62,500. 25 by 28 inches. \$1.
- GQ-444. Geologic map of the Topopah Spring NW quadrangle, Nye County, Nev., by R. L. Christiansen and P. W. Lipman. 1965 [1966]. Lat 36°52'30" to 37°, long 116°22'30" to 116°30'. Scale 1:24,000. 33 by 35 inches. \$1.
- GQ-445. Geologic map of part of the Rushing Creek quadrangle in southwestern Kentucky, by D. A. Seeland and H. G. Wilshire. 1965. Lat 36°37'30" to 36°45', long 88° to 88°07'30". Scale 1:24,000. Structure-contour interval 40 feet. 30½ by 33½ inches. \$1.
- GQ-446. Geologic map of the Allegre quadrangle, Todd County, Ky., by Harry Klemic. 1965. Lat 36°52'30" to 37°, long 87°07'30" to 87°15'. Scale 1:24,000. Structure-contour interval 20 feet. 30 by 34 inches. \$1.
- GQ-447. Geologic map of the Haddix quadrangle, eastern Kentucky, by R. B. Mixon. 1965. Lat 37°22'30" to 37°30', long 83°15' to 83°22'30". Scale 1:24,000. Structure-contour interval 40 feet. 30 by 34 inches. \$1.
- GQ-448. Geologic map of the Campbellsville quadrangle, southern Kentucky, by A. R. Taylor. 1965. Lat 37°15' to 37°22'30", long 85°15' to 85°22'30". Scale 1:24,000. Structure-contour interval 20 feet. 30½ by 33½ inches. \$1.
- GQ-449. Geologic map of the Prices Mill quadrangle, Kentucky-Tennessee, by F. R. Shawe and H. C. Rainey III. 1965. Lat 36°37'30" to 36°45', long 86°37'30" to 86°45'. Scale 1:24,000. 30 by 33 inches. \$1.
- GQ-450. Geologic map of the Dennis quadrangle, Logan County, Ky., by H. C. Rainey III. 1965. Lat 36°45' to 36°52'30", long 86°45' to 86°52'30". Scale 1:24,000. Structure-contour interval 20 feet. 30½ by 33 inches. \$1.
- GQ-451. Geologic map of the Tilford quadrangle, southeastern Kentucky, by W. P. Puffet. 1965. Lat 37° to 37°07'30", long 83° to 83°07'30". Scale 1:24,000. Structure-contour interval 40 feet. 30 by 34 inches. \$1.
- GQ-452. Geologic map of the Kirksville quadrangle, Garrard and Madison Counties, Ky., by R. C. Greene. 1965. Lat 37°37'30" to 37°45', long 84°22'30" to 84°30'. Scale 1:24,000. Structure-contour interval 20 feet. 30 by 35 inches. \$1.
- GQ-453. Geologic map of the Patricks Basin quadrangle, Teton and Lewis and Clark Counties, Mont., by M. R. Mudge. 1966. Lat 47°30' to 47°37'30", long 112°45' to 112°52'30". Scale 1:24,000. 34½ by 39 inches. \$1.
- GQ-454. Geologic map of the Pretty Prairie quadrangle, Lewis and Clark County, Mont., by M. R. Mudge. 1966. Lat 47°30' to 47°37'30", long 112°52'30" to 113°. Scale 1:24,000. 31½ by 43 inches. \$1.
- GQ-455. Geologic map of the Cane Spring quadrangle, Nye County, Nev., by F. G. Poole, D. P. Elston, and W. J. Carr. 1965 [1966]. Lat 36°45' to 36°52'30", long 116° to 116°07'30". Scale 1:24,000. 30 by 38 inches. \$1.
- GQ-456. Geologic map of the Frenchman Flat quadrangle, Nye, Lincoln, and Clark Counties, Nev., by F. G. Poole. 1965 [1966]. Lat 36°45' to 36°52'30", long 115°52'30" to 116°. Scale 1:24,000. Structure-contour interval 500 feet. 32 by 32 inches. \$1.
- GQ-457. Geologic map of the Hickory quadrangle, Graves County, Ky., by L. V. Blade. 1965. Lat 36°45' to 36°52'30", long 88°37'30" to 88°45'. Scale

- 1:24,000. Contours on surface of rocks of Eocene age, interval 20 feet. 30 by 34 inches. \$1.
- GQ-458. Geologic map of the South Pass City quadrangle, Fremont County, Wyo., by R. W. Bayley. 1965. Lat 42°22'30" to 42°30', long 108°45' to 108°52'30". Scale 1:24,000. 25½ by 30 inches. \$1.
- GQ-459. Geologic map of the Atlantic City quadrangle, Fremont County, Wyo., by R. W. Bayley. 1965. Lat 42°22'30" to 42°30', long 108°37'30" to 108°45'. Scale 1:24,000. 23½ by 28 inches. \$1.
- GQ-460. Geologic map of the Miners Delight quadrangle, Fremont County, Wyo., by R. W. Bayley. 1965. Lat 42°30' to 42°37'30", long 108°37'30" to 108°45'. Scale 1:24,000. 28 by 30 inches. \$1.
- GQ-461. Geologic map of the Louis Lake quadrangle, Fremont County, Wyo., by R. W. Bayley. 1965. Lat 42°30' to 42°37'30", long 108°45' to 108°52'30". Scale 1:24,000. 28 by 28 inches. \$1.
- GQ-462. Geologic map of the Mono Craters quadrangle, Mono and Tuolumne Counties, Calif., by R. W. Kistler. 1966. Lat 37°45' to 38°, long 119° to 119°15'. Scale 1:62,500. 31½ by 39½ inches. \$1.
- GQ-463. Surficial geologic map of the Blue Hills quadrangle, Norfolk, Suffolk, and Plymouth Counties, Mass., by N. E. Chute. 1965. Lat 42°07'30" to 42°15', long 71° to 71°07'30". Scale 1:24,000. 25 by 28 inches. \$1.
- GQ-464. Geologic map and sections of the Doublespring quadrangle, Custer and Lemhi Counties, Idaho, by W. J. Mapel, W. H. Read, and R. K. Smith. 1965. Lat 44°15' to 44°30', long 113°45' to 114°. Scale 1:62,500. 27 by 34 inches. \$1.
- GQ-465. Geologic map of the Tazewell quadrangle, Claiborne County, Tenn., by L. D. Harris. 1965. Lat 36°22'30" to 36°30', long 83°30' to 83°37'30". Scale 1:24,000. 32½ by 38 inches. \$1.
- GQ-466. Geologic map of the Duxbury quadrangle, Plymouth County, Mass., by N. E. Chute. 1965 [1966]. Lat 42° to 42°07'30", long 70°36' to 70°45'. Scale 1:24,000. 28 by 29 inches. \$1.
- GQ-467. Geologic map of the Scituate quadrangle, Plymouth County, Mass., by N. E. Chute. 1965 [1966]. Lat 42°07'30" to 42°15', long 70°37'30" to 70°45'. Scale 1:24,000. 24 by 28½ inches. \$1.
- GQ-468. Geologic map of the Hampton quadrangle, Windham County, Conn., by H. R. Dixon and Fred Pessl, Jr. 1966. Lat 41°45' to 41°52'30", long 72° to 72°07'30". Scale 1:24,000. 31 by 34 inches. \$1.
- GQ-469. Surficial geologic map of the Voluntown quadrangle, Connecticut-Rhode Island, by Tomas Feininger. 1965 [1966]. Lat 41°30' to 41°37'30", long 71°45' to 71°52'30". Scale 1:24,000. 25 by 29 inches. Accompanied by 4-page text. \$1.
- GQ-470. Geologic map of the Valley View quadrangle, central Kentucky, by R. C. Greene. 1966. Lat 37°45' to 37°52'30", long 84°22'30" to 84°30'. Scale 1:24,000. Structure-contour interval 20 feet. 30½ by 36½ inches. \$1.
- GQ-471. Geologic map of the Birmingham Point quadrangle, western Kentucky, by K. F. Fox, Jr., and W. W. Olive. 1966. Lat 36°52'30" to 37°, long 88°07'30" to 88°15'. Scale 1:24,000. Structure-contour interval 40 feet. 32 by 34 inches. \$1.
- GQ-472. Geologic map of the Rock River quadrangle, Albany County, Wyo., by H. J. Hyden. 1965 [1966]. Lat 41°37'30" to 41°45', long 105°52'30" to

- 106°. Scale 1:24,000. Structure-contour interval 500 feet. 31 by 32 inches \$1.
- GQ-473. Geologic map of the Glacier Peak quadrangle, Snohomish and Chelan Counties, Wash., by D. F. Crowder, R. W. Tabor, and A. B. Ford. 1966. Lat 48° to 48°15', long 121° to 121°15'. Scale 1:62,500. 32 by 49 inches. \$1.
- GQ-474. Surficial geologic map of the Greenfield quadrangle, Franklin County, Mass., by R. H. Jahns. 1966. Lat 42°30' to 42°37'30", long 72°30' to 72°37'30". Scale 1:24,000. 28½ by 32 inches. Accompanied by 4-page text. \$1.
- GQ-475. Geologic map of the Cumberland City quadrangle, southern Kentucky, by R. Q. Lewis, Sr., and R. E. Thaden. 1965 [1966]. Lat 36°45' to 36°52'30", long 85° to 85°07'30". Scale 1:24,000. Structure-contour interval 20 feet. 31½ by 36 inches. \$1.
- GQ-476. Geologic map and sections of the Giroux Wash quadrangle, White Pine County, Nev., by A. L. Brokaw and Tom Heidrick. 1966. Lat 39°07'30" to 39°15', long 115° to 115°07'30". Scale 1:24,000. 24½ by 32 inches. \$1.
- GQ-477. Geologic map of the Clark quadrangle, Park County, Wyo., by W. G. Pierce. 1965 [1966]. Lat 44°45' to 45°, long 109° to 109°15'. Scale 1:62,500. 21 by 28 inches. \$1.
- GQ-478. Geologic map of the Deep Lake quadrangle, Park County, Wyo., by W. G. Pierce. 1965 [1966]. Lat 44°45' to 45°, long 109°15' to 109°30'. Scale 1:62,500. 24 by 30 inches. \$1.
- GQ-479. Geologic map of the Richmond South quadrangle, Madison County, Ky., by R. C. Greene. 1966. Lat 37°37'30" to 37°45', long 84°15' to 84°22'30". Scale 1:24,000. Structure-contour interval 20 feet. 30 by 36 inches. \$1.
- GQ-480. Geologic map of the Pikeville quadrangle, Pike and Floyd Counties, Ky., by D. C. Alvord and C. E. Holbrook. 1965. Lat 37°22'30" to 37°30', long 82°30' to 82°37'30". Scale 1:24,000. Structure-contour interval 40 feet. 31 by 38 inches. \$1.
- GQ-481. Bedrock geologic map of the Plainfield quadrangle, Windham and New London Counties, Conn., by H. R. Dixon. 1965 [1966]. Lat 41°37'30" to 41°45', long 71°52'30" to 72°. Scale 1:24,000. 30 by 32 inches. \$1.
- GQ-482. Geologic map of the Sharon Grove quadrangle, Todd and Logan Counties, Ky., by G. E. Ulrich. 1966. Lat 36°52'30" to 37°, long 87° to 87°07'30". Scale 1:24,000. Structure-contour interval 20 feet. 30 by 33½ inches. \$1.
- GQ-483. Geologic map of the Jabez quadrangle, Russell and Wayne Counties, Ky., by R. E. Thaden and R. Q. Lewis, Sr. 1966. Lat 36°52'30" to 37°, long 84°52'30" to 85°. Scale 1:24,000. Structure-contour interval 10 feet. 31 by 35 inches. \$1.
- GQ-484. Geologic map of the Head of Grassy quadrangle, Lewis County, Ky., by R. H. Morris. 1966. Lat 38°22'30" to 38°30', long 83°15' to 83°22'30". Scale 1:24,000. Structure-contour interval 20 feet. 30½ by 36 inches. \$1.
- GQ-485. Surficial geologic map of the Fitchville quadrangle, New London County, Conn., by Fred Pessl, Jr. 1966. Lat 41°30' to 41°37'30", long 72°07'30" to 72°15'. Scale 1:24,000. 30 by 32 inches. Accompanied by 4-page text. \$1.

- GQ-486. Geologic map of the Cerro Summit quadrangle, Montrose County, Colo., by R. G. Dickinson. 1965 [1966]. Lat $38^{\circ}22'30''$ to $38^{\circ}30'$, long $107^{\circ}37'30''$ to $107^{\circ}45'$. Scale 1:24,000. 33 by 34 inches. \$1.
- GQ-487. Geologic map of the Kieler quadrangle, Grant County, Wis., and Jo Daviess County, Ill., by J. W. Whitlow and W. S. West. 1966. Lat $42^{\circ}30'$ to $42^{\circ}37'30''$, long $90^{\circ}30'$ to $90^{\circ}37'30''$. Scale 1:24,000. Structure-contour interval 20 feet. 32 by $33\frac{1}{2}$ inches. \$1.
- GQ-488. Geologic map of the Dickeyville quadrangle, Grant County, Wis., by J. W. Whitlow and W. S. West. 1966. Lat $42^{\circ}37'30''$ to $42^{\circ}45'$, long $90^{\circ}30'$ to $90^{\circ}37'30''$. Scale 1:24,000. Structure-contour interval 20 feet. 31 by 36 inches. \$1.
- GQ-489. Geologic map of the Thirsty Canyon SE quadrangle, Nye County, Nev., by P. W. Lipman, W. D. Quinlivan, W. J. Carr, and R. E. Anderson. 1966. Lat 37° to $37^{\circ}07'30''$, long $116^{\circ}30'$ to $116^{\circ}37'30''$. Scale 1:24,000. $33\frac{1}{2}$ by 38 inches. \$1.
- GQ-490. Geologic map of the Dalton quadrangle, western Kentucky, by J. E. Palmer. 1966. Lat $37^{\circ}15'$ to $37^{\circ}22'30''$, long $87^{\circ}45'$ to $87^{\circ}52'30''$. Scale 1:24,000. Structure-contour interval 20 feet. $32\frac{1}{2}$ by $39\frac{1}{2}$ inches. \$1.
- GQ-491. Geologic map of the Providence quadrangle, western Kentucky, by T. M. Kehn. 1966. Lat $37^{\circ}22'30''$ to $37^{\circ}30'$, long $87^{\circ}45'$ to $87^{\circ}52'30''$. Scale 1:24,000. Structure-contour interval 20 feet. 32 by 38 inches. \$1.
- GQ-492. Geologic map of the Sonora quadrangle, Hardin and Larue Counties, Ky., by F. B. Moore. 1965 [1966]. Lat $37^{\circ}30'$ to $37^{\circ}37'30''$, long $85^{\circ}52'30''$ to 86° . Scale 1:24,000. Structure-contour interval 20 feet. $30\frac{1}{2}$ by 33 inches. \$1.
- GQ-493. Geologic map of the Silent Butte quadrangle, Nye County, Nev., by E. B. Ekren, R. E. Anderson, P. P. Orkild, and E. N. Hinrichs. 1966. Lat $37^{\circ}15'$ to $37^{\circ}22'30''$, long $116^{\circ}22'30''$ to $116^{\circ}30'$. Scale 1:24,000. $28\frac{1}{2}$ by 32 inches. \$1.
- GQ-494. Bedrock geologic map of the New Britain quadrangle, Connecticut, by H. E. Simpson. 1966. Lat $41^{\circ}37'30''$ to $41^{\circ}45'$, long $72^{\circ}45'$ to $72^{\circ}52'30''$. Scale 1:24,000. $24\frac{1}{2}$ by 33 inches. \$1.
- GQ-495. Geologic map of the Paintsville quadrangle, Johnson and Floyd Counties, Ky., by W. F. Outerbridge. 1966. Lat $37^{\circ}45'$ to $37^{\circ}52'30''$, long $82^{\circ}45'$ to $82^{\circ}52'30''$. Scale 1:24,000. Structure-contour interval 40 feet. 32 by 34 inches. \$1.
- GQ-496. Geologic map of the Quarter Dome quadrangle, Nye County, Nev., by K. A. Sargent, S. J. Luft, A. B. Gibbons, and D. L. Hoover. 1966. Lat $37^{\circ}15'$ to $37^{\circ}22'30''$, long $116^{\circ}07'30''$ to $116^{\circ}15'$. Scale 1:24,000. 33 by $34\frac{1}{2}$ inches. \$1.
- GQ-497. Geologic map of the Meta quadrangle, Pike County, Ky., by D. E. Wolcott and E. C. Jenkins. 1966. Lat $37^{\circ}30'$ to $37^{\circ}37'30''$, long $82^{\circ}22'30''$ to $82^{\circ}30'$. Scale 1:24,000. Structure-contour interval 40 feet. $32\frac{1}{2}$ by 36 inches. \$1.
- GQ-498. Geologic map of parts of the Hamlin and Paris Landing quadrangles, western Kentucky, by L. V. Blade. 1966. Lat about $36^{\circ}30'$ to $36^{\circ}37'30''$, long 88° to $88^{\circ}07'30''$. Scale 1:24,000. Contours on surface of rocks of Mississippian age, interval 40 feet. 31 by 33 inches. \$1.
- GQ-499. Geologic map of the Glenn Creek quadrangle, Lewis and Clark and Teton Counties, Mont., by M. R. Mudge. 1966. Lat $47^{\circ}37'30''$ to $47^{\circ}45'$, long $112^{\circ}52'30''$ to 113° . Scale 1:24,000. 35 by $35\frac{1}{2}$ inches. \$1.

- GQ-500. Geologic map of the Ketchen quadrangle, Tennessee-Kentucky, by K. J. Englund. 1966. Lat 36°30' to 36°37'30", long 84°15' to 84°22'30". Scale 1:24,000. Structure-contour interval 20 feet. 32½ by 40 inches. \$1.
- GQ-501. Geologic map of the Isonville quadrangle, eastern Kentucky, by K. J. Englund and A. O. DeLaney. 1966. Lat 38° to 38°07'30", long 83° to 83°07'30". Scale 1:24,000. Structure-contour interval 20 feet. 31 by 34 inches. \$1.
- GQ-502. Geologic map of the Allensville quadrangle, Kentucky-Tennessee, by Harry Klemic. 1966. Lat 36°37'30" to 36°45', long 87° to 87°07'30". Scale 1:24,000. Structure-contour interval 20 feet. 30½ by 33 inches. \$1.
- GQ-503. Geologic map of the Timber Mountain quadrangle, Nye County, Nev., by W. J. Carr and W. D. Quinlivan. 1966. Lat 37° to 37°07'30", long 116°22'30" to 116°30'. Scale 1:24,000. 33 by 36 inches. \$1.
- GQ-504. Geologic map of the Telluride quadrangle, southwestern Colorado, by W. S. Burbank and R. G. Luedke. 1966. Lat 37°52'30" to 38°, long 107°45' to 107°52'30". Scale 1:24,000. 35 by 38½ inches. \$1.
- GQ-505. Geologic map of the Howardstown quadrangle, central Kentucky, by R. C. Kepferle. 1966. Lat 37°30' to 37°37'30", long 85°30' to 85°37'30". Scale 1:24,000. Structure-contour interval 20 feet. 33 by 36 inches. \$1.
- GQ-506. Geologic map of the New Haven quadrangle, Nelson and Larue Counties, Ky., by W. L. Peterson. 1966. Lat 37°37'30" to 37°45', long 85°30' to 85°37'30". Scale 1:24,000. Structure-contour interval 20 feet. 31½ by 35½ inches. \$1.
- GQ-507. Geologic map of the Bashbish Falls quadrangle, Massachusetts, Connecticut, and New York, by E-an Zen and J. H. Hartshorn. 1966. Lat 42° to 42°07'30", long 73°22'30" to 73°30'. Scale 1:24,000. 31 by 36 inches. Accompanied by 5-page text. \$1.
- GQ-508. Geologic map of the Lake Ione quadrangle, Albany County, Wyo., by Harry McAndrews. 1966. Lat 41°37'30" to 41°45', long 105°37'30" to 105°45'. Scale 1:24,000. 25 by 31 inches. \$1.
- GQ-509. Geologic map of the Bosler quadrangle, Albany County, Wyo., by Harry McAndrews. 1965 [1966]. Lat 41°30' to 41°37'30", long 105°37'30" to 105°45'. Scale 1:24,000. 25 by 28 inches. \$1.
- GQ-510. Geologic map of the Pierce Reservoir quadrangle, Albany and Carbon Counties, Wyo., by H. J. Hyden. 1966. Lat 41°37'30" to 41°45', long 106° to 106°07'30". Scale 1:24,000. Structure-contour interval 500 feet. 31 by 35 inches. \$1.
- GQ-511. Geologic map of the Marcellina Mountain quadrangle, Gunnison County, Colo., by D. L. Gaskill and L. H. Godwin. 1966. Lat 38°52'30" to 39°, long 107°07'30" to 107°15'. Scale 1:24,000. 32 by 32 inches. \$1.
- GQ-512. Geologic map of the Marble quadrangle, Gunnison and Pitkin Counties, Colo., by D. L. Gaskill and L. H. Godwin. 1966. Lat 39° to 39°07'30", long 107°07'30" to 107°15'. Scale 1:24,000. 32 by 36 inches. \$1.
- GQ-513. Geologic map of the Fountain City quadrangle, Knox County, Tenn., by J. M. Cattermole. 1966. Lat 36° to 36°07'30", long 83°52'30" to 84°. Scale 1:24,000. 32½ by 34 inches. \$1.
- GQ-514. Geologic map of the John Sevier quadrangle, Knox County, Tenn., by J. M. Cattermole. 1966. Lat 36° to 36°07'30", long 83°45' to 83°52'30". Scale 1:24,000. 30½ by 36 inches. \$1.
- GQ-515. Geologic map of the Ambrosia Lake quadrangle, McKinley County, N. Mex., by E. S. Santos and R. E. Thaden. 1966. Lat 35°22'30" to 35°30',

- long 107°45' to 107°52'30". Scale 1:24,000. Structure-contour interval 100 feet. 28 by 33½ inches. \$1.
- GQ-516. Geologic map of the San Lucas Dam quadrangle, McKinley County, N. Mex., by E. S. Santos. 1966. Lat 35°22'30" to 36°30', long 107°37'30" to 107°45'. Scale 1:24,000. Structure-contour interval 100 feet. 28½ by 33 inches. \$1.
- GQ-517. Geologic map of the San Mateo quadrangle, McKinley and Valencia Counties, N. Mex., by E. S. Santos. 1966. Lat 35°15' to 35°22'30", long 107°37'30" to 107°45'. Scale 1:24,000. Structure-contour interval 100 feet. 28½ by 32½ inches. \$1.
- GQ-518. Geologic map of the Goat Mountain quadrangle, McKinley County, N. Mex., by R. E. Thaden, E. S. Santos, and E. J. Ostling. 1966. Lat 35°22'30" to 35°30', long 107°52'30" to 108°. Scale 1:24,000. Structure-contour interval 100 feet. 28 by 33½ inches. \$1.
- GQ-519. Geologic map of the Load quadrangle, Greenup County, Ky., by J. A. Sharps. 1966. Lat 38°30' to 38°37'30", long 82°52'30" to 83°. Scale 1:24,000. Structure-contour interval 20 feet. 31½ by 36 inches. \$1.
- GQ-520. Geologic map of the Reedyville quadrangle, western Kentucky, by F. R. Shawe. 1966. Lat 37°07'30" to 37°15', long 86°22'30" to 86°30'. Scale 1:24,000. Structure-contour interval 20 feet. 31½ by 34 inches. \$1.
- GQ-521. Geologic map of the Sandy Hook quadrangle, Elliott and Morgan Counties, Ky., by K. J. Englund and A. O. DeLaney. 1966. Lat 38° to 38°07'30", long 83°07'30" to 83°15'. Scale 1:24,000. Structure-contour interval 20 feet. 30½ by 36 inches. \$1.
- GQ-522. Geologic map of the Bruin quadrangle, Elliott and Carter Counties, Ky., by K. J. Englund and A. O. DeLaney. 1966. Lat 38°07'30" to 38°15', long 83° to 83°07'30". Scale 1:24,000. Structure-contour interval 20 feet. 30½ by 36 inches. \$1.
- GQ-523. Geologic map of the Edmonton quadrangle, Metcalfe County, Ky., by J. M. Cattermole. 1966. Lat 36°52'30" to 37°, long 85°30' to 85°37'30". Scale 1:24,000. Structure-contour interval 20 feet. 30 by 34 inches. \$1.
- GQ-524. Geologic map of the Thirsty Canyon quadrangle, Nye County, Nev., by J. T. O'Conner, R. E. Anderson, and P. W. Lipman. 1966. Lat 37°07'30" to 37°15', long 116°30' to 116°37'30". Scale 1:24,000. 32½ by 35 inches. \$1.
- GQ-525. Geologic map of parts of the Concord and Buena Vista quadrangles, Lewis County, Ky., by R. H. Morris. 1966. Lat 38°37'30" to about 38°40', long about 83°20' to 83°30'. Scale 1:24,000. Structure-contour interval 20 feet. 30½ by 38½ inches. \$1.
- GQ-526. Geologic map of part of the Friendship quadrangle, Lewis and Greenup Counties, Ky., by R. L. Erickson. 1966. Lat 38°37'30" to 38°45', long 83° to 83°07'30". Scale 1:24,000. Structure-contour interval 20 feet. 30½ by 37½ inches. \$1.
- GQ-527. Geologic map of the Kisinger Lakes quadrangle, Fremont County, Wyo., by W. L. Rohrer. 1966. Lat 43°37'30" to 43°45', long 109°52'30" to 110°. Scale 1:24,000. 30½ by 31 inches. \$1.
- GQ-528. Geologic map of the Waucoba Mountain quadrangle, Inyo County, Calif., by C. A. Nelson. 1966. Lat 37° to 37°15', long 118° to 118°15'. Scale 1:62,500. 30 by 33½ inches. \$1.
- GQ-529. Geologic map of the Blanco Mountain quadrangle, Inyo and Mono

- Counties, Calif., by C. A. Nelson. 1966. Lat 37°15' to 37°30', long 118° to 118°15'. Scale 1:62,500. 29½ by 33 inches. \$1.
- GQ-530. Geologic map of the Farmington quadrangle, Graves County, Ky., by W. I. Finch and J. P. Minard. 1966. Lat 36°37'30" to 36°45', long 88°30' to 88°37'30". Scale 1:24,000. Contours on surface of rocks of Eocene age, interval 20 feet. 31½ by 31½ inches. \$1.
- GQ-531. Geologic map of the Paducah East quadrangle in western Kentucky, by W. W. Olive. 1966. Lat 37° to 37°07'30", long 88°30' to 88°37'30". Scale 1:24,000. Contours on erosional surface cut on rocks of Eocene, Paleocene, and Late Cretaceous age, interval 20 feet. 32½ by 33 inches. \$1.
- GQ-532. Geologic map of parts of the Greenup and Ironton quadrangles, Greenup and Boyd Counties, Ky., by E. Dobrovolsky, J. C. Ferm, and S. O. Eroskay. 1966. Lat 38°30' to 38°37'30", long 82°40' to 82°52'30". Scale 1:24,000. Structure-contour interval 20 feet. 30 by 44 inches. \$1.
- GQ-533. Geologic map of the McFadden quadrangle, Carbon County, Wyo., by H. J. Hyden. 1966. Lat 41°37'30" to 41°45', long 106°07'30" to 106°15'. Scale 1:24,000. Structure-contour interval 500 feet. 35 by 35 inches. \$1.
- GQ-534. Geologic map of the Brighton quadrangle, Utah, by A. A. Baker, F. C. Calkins, M. D. Crittenden, Jr., and C. S. Bromfield. 1966. Lat 40°30' to 40°37'30", long 111°30' to 111°37'30". Scale 1:24,000. 29 by 37 inches. \$1.
- GQ-535. Geologic map of the Park City West quadrangle, Utah, by M. D. Crittenden, Jr., F. C. Calkins, and B. J. Sharp. 1966. Lat 40°37'30" to 40°45', long 111°30' to 111°37'30". Scale 1:24,000. 24½ by 38 inches. \$1.
- GQ-536. Geologic map of the Dolores Peak quadrangle, Dolores and San Miguel Counties, Colo., by A. L. Bush and C. S. Bromfield. 1966. Lat 37°45' to 37°52'30", long 108° to 108°07'30". Scale 1:24,000. 32 by 37 inches. \$1.
- GQ-537. Bedrock geologic map of the West Springfield quadrangle, Massachusetts and Connecticut, by R. B. Colton and J. H. Hartshorn. 1966. Lat 42° to 42°07'30", long 72°37'30" to 72°45'. Scale 1:24,000. 24 by 30 inches. \$1.
- GQ-538. Geologic map of the Wilmont Creek quadrangle, Ferry and Stevens Counties, Wash., by G. E. Becraft. 1966. Lat 48° to 48°15', long 118°15' to 118°30'. Scale 1:62,500. 22½ by 25 inches. \$1.
- GQ-539. Geologic map of the Guthrie quadrangle, Kentucky-Tennessee, by Harry Klemic. 1966. Lat 36°37'30" to 36°45', long 87°07'30" to 87°15'. Scale 1:24,000. Structure-contour interval 20 feet. 29 by 31 inches. \$1.
- GQ-540. Geologic map of the Hammacksville quadrangle, Kentucky-Tennessee, by Harry Klemic. 1966. Lat 36°37'30" to 36°45', long 87°15' to 87°22'30". Scale 1:24,000. Structure-contour interval 20 feet. 29 by 30 inches. \$1.
- GQ-541. Geologic map of the Monument quadrangle, Grant County, Oreg., by R. E. Wilcox and R. V. Fisher. 1966. Lat 44°45' to 45°, long 119°15' to 119°30'. Scale 1:62,500. 21 by 26 inches. \$1.
- GQ-542. Geologic map of the Cody quadrangle, Park County, Wyo., by W. G. Pierce. 1966. Lat 44°30' to 44°45', long 109° to 109°15'. Scale 1:62,500. 27 by 32 inches. \$1.
- GQ-543. Geologic map of the Milo quadrangle, Kentucky-West Virginia, and the part of the Webb quadrangle in Kentucky, by E. C. Jenkins. 1966.

- Lat 37°52'30" to 38°, long about 82°25' to 82°37'30". Scale 1:24,000. Structure-contour interval 40 feet. 33 by 46 inches. \$1.
- GQ-544. Geologic map of the Chediski Peak quadrangle, Navajo County, Ariz., by T. L. Finnell. 1966. Lat 34° to 34°15', long 110°30' to 110°45'. Scale 1:62,500. Structure-contour interval 100 feet. 29 by 30 inches. \$1.
- GQ-545. Geologic map of the Cibecue quadrangle, Navajo County, Ariz., by T. L. Finnell. 1966. Lat 34° to 34°15', long 110°15' to 110°30'. Scale 1:62,500. Structure-contour interval 100 feet. 25 by 27 inches. \$1.
- GQ-546. Geologic map of the Golconda quadrangle, Kentucky-Illinois, and the part of the Brownfield quadrangle in Kentucky, by D. H. Amos. 1966. Lat 37°15' to 37°22'30", long 88°22'30" to 88°30'. Scale 1:24,000. Structure-contour interval 40 feet. 32½ by 41½ inches. \$1.
- GQ-547. Geologic map of the Marion quadrangle, Crittenden and Caldwell Counties, Ky., by R. D. Trace. 1966. Lat 37°15' to 37°22'30", long 88° to 88°07'30". Scale 1:24,000. Structure-contour interval 50 feet. 31½ by 36 inches. \$1.
- GQ-548. Geologic map of the Mount Vernon quadrangle, Grant County, Oreg., by C. E. Brown and T. P. Thayer. 1966. Lat 44°15' to 44°30', long 119° to 119°15'. Scale 1:62,500. 28 by 29 inches. Accompanied by 4-page text. \$1.
- GQ-549. Geologic map of the Homer quadrangle, Logan County, Ky., by Benjamin Gildersleeve. 1966. Lat 36°52'30" to 37°, long 86°45' to 86°52'30". Scale 1:24,000. Structure-contour interval 20 feet. 30½ by 34½ inches. \$1.
- GQ-550. Geologic map of the Albany quadrangle, Kentucky-Tennessee, by R. Q. Lewis, Sr., and R. E. Thaden. 1966. Lat 36°37'30" to 36°45', long 85°07'30" to 85°15'. Scale 1:24,000. Structure-contour interval 20 feet. 30 by 36 inches. \$1.
- GQ-551. Geologic map of the Tajique quadrangle, Torrance and Bernalillo Counties, N. Mex., by D. A. Myers. 1966. Lat 34°45' to 34°52'30", long 106°15' to 106°22'30". Scale 1:24,000. Structure-contour interval 100 feet. 28 by 42½ inches. \$1.
- GQ-552. Geologic map of the Buckboard Mesa quadrangle, Nye County, Nev., by F. M. Byers, Jr., C. L. Rogers, W. J. Carr, and S. J. Luft. 1966. Lat 37° to 37°07'30", long 116°15' to 116°22'30". Scale 1:24,000. 34 by 36 inches. \$1.
- GQ-553. Geologic map of the Olmstead quadrangle, Todd and Logan Counties, Ky., by G. E. Ulrich. 1966. Lat 36°45' to 36°52'30", long 87° to 87°07'30". Scale 1:24,000. Structure-contour interval 20 feet. 30½ by 34 inches. \$1.
- GQ-554. Geologic map of the Little Cypress quadrangle, Kentucky-Illinois, by D. H. Amos and E. W. Wolfe. 1966. Lat 37° to 37°07'30", long 88°22'30" to 88°30'. Scale 1:24,000. 33 by 34 inches. \$1.
- GQ-555. Geologic map of the Sulphur Well quadrangle, Metcalfe and Green Counties, Ky., by J. M. Cattermole. 1966. Lat 37° to 37°07'30", long 85°37'30" to 85°45'. Scale 1:24,000. Structure-contour interval 20 feet. 30½ by 34½ inches. \$1.
- GQ-556. Geologic map of the Church Hill quadrangle, Christian County, Ky., by G. E. Ulrich. 1966. Lat 36°45' to 36°52'30", long 87°30' to 87°37'30". Scale 1:24,000. Structure-contour interval 20 feet. 30½ by 33 inches. \$1.
- GQ-557. Geologic map of the Paducah West and part of the Metropolis

- quadrangles, Kentucky-Illinois, by W. I. Finch. 1966. Lat 37° to about 37°08', long 88°37'30" to 88°45'. Scale 1:24,000. 33 by 42½ inches. \$1.
- GQ-558. Geologic map of the Horse Cave quadrangle, Barren and Hart Counties, Ky., by D. D. Haynes. 1966. Lat 37°07'30" to 37°15', long 85°52'30" to 86°. Scale 1:24,000. Structure-contour interval 20 feet. 31 by 33 inches. \$1.
- GQ-559. Geologic map of the Elizabethtown quadrangle, Hardin and Larue Counties, Ky., by R. C. Kepferle. 1966. Lat 37°37'30" to 37°45', long 85°45' to 85°52'30". Scale 1:24,000. Structure-contour interval 20 feet. 30½ by 39 inches. \$1.
- GQ-560. Geologic map of the Tonieville quadrangle, Larue and Hardin Counties, Ky., by F. B. Moore. 1966. Lat 37°30' to 37°37'30", long 85°45' to 85°52'30". Scale 1:24,000. Structure-contour interval 20 feet. 32 by 34 inches. \$1.
- GQ-561. Geologic map of the Heath quadrangle, McCracken and Ballard Counties, Ky., by W. W. Olive. 1966. Lat 37° by 37°07'30", long 88°45' to 88°52'30". Scale 1:24,000. Contours on surface of rocks of Eocene, Paleocene, and Late Cretaceous age, interval 20 feet. 30½ by 37 inches. \$1.
- GQ-562. Geologic map of the Mannsville quadrangle, south-central Kentucky, by A. R. Taylor. 1966. Lat 37°15' to 37°22'30", long 85°07'30" to 85°15'. Scale 1:24,000. Structure-contour interval 20 feet. 30 by 35 inches. \$1.
- GQ-563. Geologic map of the Martin quadrangle, Floyd County, Ky., by C. L. Rice. 1966. Lat 37°30' to 37°37'30", long 82°45' to 82°52'30". Scale 1:24,000. Structure-contour interval 40 feet. 31 by 37 inches. \$1.
- GQ-564. Geologic map of the Nelsonville quadrangle, central Kentucky, by W. L. Peterson. 1966. Lat 37°37'30" to 37°45', long 85°37'30" to 85°45'. Scale 1:24,000. Structure-contour interval 20 feet. 30 by 35 inches. \$1.
- GQ-565. Geologic map of the Oak Grove quadrangle, Kentucky-Tennessee, by Harry Klemic. 1966. Lat 36°37'30" to 36°45', long 87°22'30" to 87°30'. Scale 1:24,000. 29 by 30 inches. \$1.
- GQ-566. Pre-Quaternary geology of the Allentown quadrangle, New Jersey, by J. P. Owens and J. P. Minard. 1966. Lat 40°07'30" to 40°15', long 74°30' to 74°37'30". Scale 1:24,000. 28½ by 35 inches. \$1.
- GQ-567. Surficial geologic map of the Clinton quadrangle, Worcester County, Mass., by Carl Koteff. 1966. Lat 42°22'30" to 42°30', long 71°37'30" to 71°45'. Scale 1:24,000. 27 by 34 inches. Accompanied by 4-page text. \$1.
- GQ-568. Geologic map of the Dot quadrangle, Kentucky-Tennessee, by F. R. Shawe. 1966. Lat 36°37'30" to 36°45', long 86°52'30" to 87°. Scale 1:24,000. 29 by 30½ inches. \$1.
- GQ-569. Geologic map in the Adairville quadrangle, Kentucky-Tennessee, by F. R. Shawe. 1966. Lat 36°37'30" to 36°45', long 86°45' to 86°52'30". Scale 1:24,000. 30 by 33 inches. \$1.
- GQ-570. Geologic map of the Maceo quadrangle, Daviess and Hancock Counties, Ky., by R. H. Calvert. 1966. Lat 37°45' to 37°52'30", long 86°52'30" to 87°. Scale 1:24,000. Structure-contour interval 20 feet. 30 by 33 inches. \$1.
- GQ-571. Geologic map of the Crab Orchard quadrangle, Lincoln County, Ky., by J. L. Gualtieri. 1967. Lat 37°22'30" to 37°30', long 84°30' to 84°37'30". Scale 1:24,000. Structure-contour interval 20 feet. 30 by 41 inches. \$1.
- GQ-572. Geologic map of the Herndon quadrangle, Kentucky-Tennessee, by Harry Klemic. 1966. Lat 36°37'30" to 36°45', long 87°30' to 87°37'30". Scale 1:24,000. Structure-contour interval 40 feet. 28 by 30 inches. \$1.

- GQ-573. Geologic map of the Dawson Springs quadrangle, western Kentucky, by T. M. Kehn. 1966. Lat 37°07'30" to 37°15', long 87°37'30" to 87°45'. Scale 1:24,000. Structure-contour interval 20 feet. 30 by 35 inches. \$1.
- GQ-574. Bedrock geologic map of the New London quadrangle in Connecticut, by Richard Goldsmith. 1967. Lat 41°15' to 41°22'30", long 72° to 72°07'30". Scale 1:24,000. 29 by 29 inches. \$1.
- GQ-575. Bedrock geologic map of the Niantic quadrangle, New London County, Conn., by Richard Goldsmith. 1967. Lat 41°15' to 41°22'30", long 72°07'30" to 72°15'. Scale 1:24,000. 33 by 35 inches. \$1.
- GQ-576. Bedrock geologic map of the Uncasville quadrangle, New London County, Conn., by Richard Goldsmith. 1967. Lat 41°22'30" to 41°30', long 72° to 72°07'30". Scale 1:24,000. 32 by 37 inches. \$1.
- GQ-577. Geologic map of the Paiute Ridge quadrangle, Nye and Lincoln Counties, Nev., by F. M. Byers, Jr., and Harley Barnes. 1967. Lat 37° to 37°07'30", long 115°52'30" to 116°. Scale 1:24,000. Inferred contours on varied surface of pre-Tertiary rocks, interval 500 feet. 32½ by 33½ inches. \$1.
- GQ-578. Geologic map of the Oh-be-joyful quadrangle, Gunnison County, Colo., by D. L. Gaskill, L. H. Godwin, and F. E. Mutschler. 1967. Lat 38°52'30" to 39°, long 107° to 107°07'30". Scale 1:24,000. 31 by 33 inches. \$1.
- GQ-579. Geologic map of the Bengough Hill quadrangle, Albany and Carbon Counties, Wyo., by H. J. Hyden. 1966. Lat 41°30' to 41°37'30", long 106° to 106°07'30". Scale 1:24,000. Structure-contour interval 500 feet. 32 by 37 inches. \$1.
- GQ-580. Geologic map of the Montauqua quadrangle, Carbon and Stillwater Counties, Mont., by E. D. Patterson. 1966. Lat 45°30' to 45°37'30", long 108°52'30" to 109°. Scale 1:24,000. Structure-contour interval 100 feet. 22½ by 31½ inches. \$1.
- GQ-581. Geologic map of part of the Manchester Islands quadrangle, Lewis County, Ky., by J. H. Peck and K. L. Pierce. 1966. Lat 38°37'30" to 38°45', long 83°30' to 83°37'30". Scale 1:24,000. Structure-contour interval 20 feet. 31 by 42 inches. \$1.
- GQ-582. Geologic map of the Yucca Flat quadrangle, Nye and Lincoln Counties, Nev., by R. B. Colton and E. J. McKay. 1966 [1967]. Lat 37° to 37°07'30", long 116° to 116°07'30". Scale 1:24,000. Inferred contours on varied surface of Paleozoic rocks, interval 500 feet. 32 by 33 inches. \$1.
- GQ-583. Geologic map of the Richmond North quadrangle, Madison and Fayette Counties, Ky., by G. C. Simmons. 1967. Lat 37°45' to 37°52'30", long 84°15' to 84°22'30". Scale 1:24,000. Structure-contour interval 20 feet. 31 by 38 inches. \$1.
- GQ-584. Geologic map of the Fallsburg quadrangle, Kentucky-West Virginia, and the Prichard quadrangle in Kentucky, by J. A. Sharps. 1967. Lat 38°07'30" to 38°15', long 82°35' to 82°45'. Scale 1:24,000. Structure-contour interval 20 feet. 30 by 38 inches. \$1.
- GQ-585. Geologic map of the Union City quadrangle, Madison and Clark Counties, Ky., by G. C. Simmons. 1967. Lat 37°45' to 37°52'30", long 84°07'30" to 84°15'. Scale 1:24,000. Structure-contour interval 20 feet. 31 by 42 inches. \$1.
- GQ-586. Geologic map of the Oil Springs quadrangle, eastern Kentucky, by W. F. Outerbridge. 1967. Lat 37°45' to 37°52'30", long 82°52'30" to 83°. Scale 1:24,000. Structure-contour interval 40 feet. 31 by 35 inches. \$1.
- GQ-587. Geologic map of the Westplains quadrangle, Graves County, Ky., by

- R. W. Swanson and H. G. Wilshire. 1967. Lat $36^{\circ}45'$ to $36^{\circ}52'30''$, long $88^{\circ}30'$ to $88^{\circ}37'30''$. Scale 1:24,000. 31 by 36 inches. \$1.
- GQ-588. Geologic map of the Orangeburg quadrangle, northeastern Kentucky, by F. A. Schilling, Jr., and J. H. Peck. 1967. Lat $38^{\circ}30'$ to $38^{\circ}37'30''$, long $83^{\circ}37'30''$ to $83^{\circ}45'$. Scale 1:24,000. Structure-contour interval 20 feet. 31 by $41\frac{1}{2}$ inches. \$1.
- GQ-589. Geologic map of the West Liberty quadrangle, Morgan County, Ky., by K. J. Englund, J. W. Huddle, and A. O. DeLaney. 1967. Lat $37^{\circ}52'30''$ to 38° , long $83^{\circ}15'$ to $83^{\circ}22'30''$. Scale 1:24,000. Structure-contour interval 20 feet. 30 by 37 inches. \$1.
- GQ-590. Geologic map of the Mesa Portales quadrangle, Sandoval County, N. Mex., by J. E. Fassett. 1966. Lat $35^{\circ}52'30''$ to 36° , long 107° to $107^{\circ}07'30''$. Scale 1:24,000. Structure-contour interval 100 feet. 31 by 31 inches. \$1.
- GQ-591. Geologic map of the Johnson Trading Post quadrangle, Sandoval County, N. Mex., by J. S. Hinds. 1966. Lat $35^{\circ}52'30''$ to 36° , long $107^{\circ}07'30''$ to $107^{\circ}15'$. Scale 1:24,000. Structure-contour interval 100 feet. 30 by 30 inches. \$1.
- GQ-592. Bedrock geologic map of the Columbia quadrangle, east-central Connecticut, by George Snyder. 1967. Lat $41^{\circ}37'30''$ to $41^{\circ}45'$, long $72^{\circ}15'$ to $72^{\circ}22'30''$. Scale 1:24,000. 28 by 49 inches. \$1.
- GQ-593. Geologic map of the Riegelsville quadrangle, Pennsylvania-New Jersey, by A. A. Drake, Jr., D. B. McLaughlin, and R. E. Davis. 1967. Lat $40^{\circ}30'$ to $40^{\circ}37'30''$, long $75^{\circ}07'30''$ to $75^{\circ}15'$. Scale 1:24,000. 32 by 37 inches. \$1.
- GQ-594. Geologic map of the Easton quadrangle, New Jersey-Pennsylvania, by A. A. Drake, Jr. 1967. Lat $40^{\circ}37'30''$ to $40^{\circ}45'$, long $75^{\circ}07'30''$ to $75^{\circ}15'$. Scale 1:24,000. 32 by 47 inches. \$1.
- GQ-595. Geologic map of the Bloomsbury quadrangle, New Jersey, by A. A. Drake, Jr. 1967. Lat $40^{\circ}37'30''$ to $40^{\circ}45'$, long 75° to $75^{\circ}07'30''$. Scale 1:24,000. 32 by 40 inches. \$1.
- GQ-596. Geologic map of the Mount Tyndall quadrangle, Custer County, Colo., by M. R. Brock and Q. D. Singewald. 1968. Lat $38^{\circ}07'30''$ to $38^{\circ}15'$, long $105^{\circ}15'$ to $105^{\circ}22'30''$. Scale 1:24,000. Sheet 1, 28 by 32 inches; sheet 2, 21 by 27 inches. Accompanied by 5-page text. \$1 per set.
- GQ-597. Geologic map of the Arsenic Peak quadrangle, Teton and Lewis and Clark Counties, Mont., by M. R. Mudge. 1967. Lat $47^{\circ}37'30''$ to $47^{\circ}45'$, long $112^{\circ}45'$ to $112^{\circ}52'30''$. Scale 1:24,000. 33 by 42 inches. \$1.
- GQ-598. Geologic map of the Vanceburg quadrangle, Kentucky-Ohio, by R. H. Morris and K. L. Pierce. 1967. Lat $38^{\circ}30'$ to $38^{\circ}37'30''$, long $83^{\circ}15'$ to $83^{\circ}22'30''$. Scale 1:24,000. Structure-contour interval 20 feet. $31\frac{1}{2}$ by 39 inches. \$1.
- GQ-599. Geologic map of the North Truro quadrangle, Barnstable County, Mass., by Carl Koteff, R. N. Oldale, and J. H. Hartshorn. 1967. Lat 42° to $42^{\circ}07'30''$, long 70° to $70^{\circ}07'30''$. Scale 1:24,000. 28 by 38 inches. \$1.
- GQ-600. Geologic map of the Lexington West quadrangle, Fayette and Scott Counties, Ky., by R. D. Miller. 1967. Lat 38° to $38^{\circ}07'30''$, long $84^{\circ}30'$ to $84^{\circ}37'30''$. Scale 1:24,000. Structure-contour interval 10 feet. 30 by 37 inches. \$1.
- GQ-601. Geologic map of part of the Cayce quadrangle, Hickman and Fulton Counties, Ky., by W. W. Olive. 1967. Lat $36^{\circ}30'$ to $36^{\circ}37'30''$, long 89°

- to 89°07'30". Scale 1:24,000. Contours on erosional surface cut on rocks of Eocene age, interval 20 feet. 28 by 36 inches. \$1.
- GQ-602. Geologic map of the Colesburg quadrangle, Hardin and Bullitt Counties, Ky., by R. C. Kepferle. 1967. Lat 37°45' to 37°52'30", long 85°45' to 85°52'30". Scale 1:24,000. Structure-contour interval 20 feet. 30½ by 40 inches. \$1.
- GQ-603. Geologic map of the Lebanon Junction quadrangle, central Kentucky, by W. L. Peterson. 1967. Lat 37°45' to 37°52'30", long 85°37'30" to 85°45'. Scale 1:24,000. Structure-contour interval 20 feet. 31 by 37 inches. \$1.
- GQ-604. Geologic map of the Caledonia quadrangle, Trigg and Christian Counties, Ky., by G. E. Ulrich and Harry Klemic. 1966 [1967]. Lat 36°45' to 36°52'30", long 87°37'30" to 87°45'. Scale 1:24,000. Structure-contour interval 40 feet. 30 by 33 inches. \$1.
- GQ-605. Geologic map of the Georgetown quadrangle, Scott and Fayette Counties, Ky., by E. R. Cressman. 1967. Lat 38°07'30" to 38°15', long 84°30' to 84°37'30". Scale 1:24,000. Structure-contour interval 10 feet. 31 by 34 inches. \$1.
- GQ-606. Geologic map of the Belted Peak quadrangle, Nye County, Nev., by E. B. Ekren, C. L. Rogers, R. E. Anderson, and Theodore Botinelly. 1967. Lat 37°30' to 37°45', long 116° to 116°15'. Scale 1:62,500. 25 by 35 inches. \$1.
- GQ-607. Geologic map of the Fredonia quadrangle, western Kentucky, by W. B. Rogers and W. H. Hays. 1967. Lat 37°07'30" to 37°15', long 88° to 88°07'30". Scale 1:24,000. Structure-contour interval 50 feet. 32 by 34 inches. \$1.
- GQ-608. Geologic map of the Lamasco quadrangle, western Kentucky, by R. D. Sample. 1967. Lat 87°52'30" to 88°, long 36°52'30" to 37°. Scale 1:24,000. Structure-contour interval 50 feet. 30 by 33 inches. \$1.
- GQ-609. Bedrock geologic map of the Montville quadrangle, New London County, Conn., by Richard Goldsmith. 1967. Lat 41°22'30" to 41°30', long 72°07'30" to 72°15'. Scale 1:24,000. 31 by 35 inches. \$1.
- GQ-610. Surficial geologic map of the Sawtooth Ridge quadrangle, Teton and Lewis and Clark Counties, Mont., by Melville R. Mudge. 1967. Lat 47°30' to 47°37'30", long 112°37'30" to 112°45'. Scale 1:24,000. 28 by 42 inches. \$1.
- GQ-611. Surficial geologic map of the Roxbury quadrangle, Litchfield and New Haven Counties, Conn., by H. E. Malde. 1967. Lat 41°30' to 41°37'30", long 73°15' to 73°22'30". Scale 1:24,000. 26 by 28 inches. \$1.
- GQ-612. Geologic map of the Waucoba Wash quadrangle, Inyo County, Calif., by D. C. Ross. 1967. Lat 36°45' to 37°, long 117°45' to 118°. Scale 1:62,500. 30 by 35 inches. \$1.
- GQ-613. Geologic map of the Palmer quadrangle, east-central Kentucky, by G. C. Simmons. 1967. Lat 37°45' to 37°52'30", long 84° to 84°07'30". Scale 1:24,000. Structure-contour interval 20 feet. 31 by 44 inches. \$1.
- GQ-614. Geologic map of the Dead Horse Flat quadrangle, Nye County, Nev., by D. C. Noble, R. D. Krushensky, E. J. McKay, and J. R. Ege. 1967. Lat 37°15' to 37°22'30", long 116°15' to 116°22'30". Scale 1:24,000. 30 by 33 inches. \$1.
- GQ-615. Geologic map of the Hollyhill quadrangle, McCreary and Whitley Counties, Ky., by R. A. Loney. 1967. Lat 36°37'30" to 36°45', long 84°15' to 84°22'30". Scale 1:24,000. Structure-contour interval 20 feet. 31 by 37 inches. \$1.

- GQ-616. Geologic map of the Williamsburg quadrangle, Whitley County, Ky., by R. W. Tabor. 1967. Lat 36°37'30" to 36°45', long 84°07'30" to 84°15'. Scale 1:24,000. Structure-contour interval 20 feet. 31 by 39 inches. \$1.
- GQ-617. Geologic map of the Wofford quadrangle, Whitley County, Ky., by J. H. Smith. 1967. Lat 84°07'30" to 84°15', long 36°45' to 36°52'30". Scale 1:24,000. Structure-contour interval 20 feet. 30 by 36 inches. \$1.
- GQ-618. Geologic map of the Condrey Mountain quadrangle, and parts of the Seiad Valley and Hornbrook quadrangles, California, by P. E. Hotz. 1967. Lat 41°45' to 42°, long 122°45' to 123°. Scale 1:62,500. 30 by 41 inches. \$1.
- GQ-619. Geologic map of the Antelope Gap quadrangle, Platte County, Wyo., by L. W. McGrew. 1967. Lat 42° to 42°07'30", long 104°45' to 104°52'30". Scale 1:24,000. 25 by 28 inches. \$1.
- GQ-620. Geologic map of the Bordeaux quadrangle, Platte County, Wyo., by L. W. McGrew. 1967. Lat 41°52'30" to 42°, long 104°45' to 104°52'30". Scale 1:24,000. 24 by 28 inches. \$1.
- GQ-621. Geologic map of the Casebier Hill quadrangle, Goshen County, Wyo., by L. W. McGrew. 1967. Lat 42°15' to 42°22'30", long 104°30' to 104°37'30". Scale 1:24,000. 28 by 30 inches. \$1.
- GQ-622. Geologic map of the Ferguson Corner quadrangle, Platte County, Wyo., by L. W. McGrew. 1967. Lat 41°52'30" to 42°, long 104°52'30" to 105°. Scale 1:24,000. 28 by 29 inches. \$1.
- GQ-623. Geologic map of the Natwick SW quadrangle, Platte County, Wyo., by L. W. McGrew. 1967. Lat 41°45' to 41°52'30", long 105°07'30" to 105°15'. Scale 1:24,000. 29 by 31 inches. \$1.
- GQ-624. Geologic map of the Natwick quadrangle, Platte County, Wyo., by L. W. McGrew. 1967. Lat 41°52'30" to 42°, long 105° to 105°07'30". Scale 1:24,000. 26 by 28 inches. \$1.
- GQ-625. Geologic map of the Richeau Hills quadrangle, Platte County, Wyo., by L. W. McGrew. 1967. Lat 41°45' to 41°52'30", long 105° to 105°07'30". Scale 1:24,000. 28 by 33 inches. \$1.
- GQ-626. Geologic map of the Squaw Rock quadrangle, Platte County, Wyo., by L. W. McGrew. 1967. Lat 41°52'30" to 42°, long 105°07'30" to 105°15'. Scale 1:24,000. 24 by 27 inches. \$1.
- GQ-627. Geologic map of the Wheatland quadrangle, Platte County, Wyo., by L. W. McGrew. 1967. Lat 42° to 42°07'30", long 104°52'30" to 105°. Scale 1:24,000. 24 by 28 inches. \$1.
- GQ-628. Geologic map of the Wheatland NE quadrangle, Platte County, Wyo., by L. W. McGrew. 1967. Lat 42°07'30" to 42°15', long 104°45' to 104°52'30". Scale 1:24,000. 28 by 28 inches. \$1.
- GQ-629. Geologic map of the Coiltown quadrangle, Hopkins County, Ky., by G. J. Franklin. 1967. Lat 37°15' to 37°22'30", long 87°37'30" to 87°45'. Scale 1:24,000. Structure-contour interval 20 feet. 30½ by 38 inches. \$1.
- GQ-630. Geologic map of the Hackett quadrangle, Washington County, Pa., by B. H. Kent. 1967. Lat 40°07'30" to 40°15', long 80° to 80°07'30". Scale 1:24,000. Structure-contour interval 20 feet. 30 by 31 inches. \$1.
- GQ-631. Geologic map of the Bristol Head quadrangle, Mineral and Hinsdale Counties, Colo., by T. A. Steven. 1967. Lat 37°45' to 38°, long 107° to 107°15'. Scale 1:62,500. 25 by 39 inches. \$1.
- GQ-632. Surficial geologic map of the Whitman quadrangle, Plymouth County, Mass., by R. G. Petersen and C. E. Shaw, Jr. 1967. Lat 42° to 42°07'30", long 70°52'30" to 71°. Scale 1:24,000. 28 by 29½ inches. \$1.

- GQ-633. Surficial geologic map of the Hanover quadrangle, Plymouth County, Mass., by C. E. Shaw, Jr., and R. G. Petersen. 1967. Lat 42° to 42°07'30", long 70°45' to 70°52'30". Scale 1:24,000. 29 by 34½ inches. \$1.
- GQ-634. Geologic map of the Park quadrangle, south-central Kentucky, by S. L. Moore and D. D. Haynes. 1967. Lat 37°07'30" to 37°15', long 85°45' to 85°52'30". Scale 1:24,000. Structure-contour interval 20 feet. 28½ by 30½ inches. \$1.
- GQ-635. Surficial geologic map of the Dannemora quadrangle and part of the Plattsburgh quadrangle, New York, by C. S. Denny. 1967. Lat 44°30' to 44°45', long 73°22' to 73°45'. Scale 1:62,500. 28 by 31 inches. \$1.
- GQ-636. Geologic map of the Bodie Mountain quadrangle, Ferry and Okanogan Counties, Wash., by R. C. Pearson. 1967. Lat 48°45' to 49°, long 118°45' to 119°. Scale 1:62,500. 25 by 26 inches. Accompanied by 4-page text. \$1.
- GQ-637. Geologic map of the T L Ranch quadrangle, Carbon County, Wyo., by H. J. Hyden and Harry McAndrews. 1967. Lat 41°37'30" to 41°45', long 106°15' to 106°22'30". Scale 1:24,000. 32 by 36 inches. \$1.
- GQ-638. Geologic map of the Ammonia Tanks quadrangle, Nye County, Nev., by E. N. Hinrichs, R. D. Krushensky, and S. J. Luft. 1967. Lat 37°07'30" to 37°15', long 116°15' to 116°22'30". Scale 1:24,000. 33 by 39 inches. \$1.
- GQ-639. Geologic map of the Torreon quadrangle, Torrance County, N. Mex., by D. A. Myers. 1967. Lat 34°37'30" to 34°45', long 106°15' to 106°22'30". Scale 1:24,000. Structure-contour interval 100 feet. 28 by 30 inches. \$1.
- GQ-640. Geologic map of the Grayson quadrangle, Carter County, Ky., by C. L. Whittington and J. C. Ferm. 1967. Lat 38°15' to 38°22'30", long 82°52'30" to 83°. Scale 1:24,000. Structure-contour interval 20 feet. 31 by 40½ inches. \$1.
- GQ-641. Geologic map of the Prestonsburg quadrangle, Floyd and Johnson Counties, Ky., by C. L. Rice. 1967. Lat 37°37'30" to 37°45', long 82°45' to 82°52'30". Scale 1:24,000. Structure-contour interval 40 feet. 30½ by 34 inches. \$1.
- GQ-642. Geologic map of the Rowe quadrangle, Franklin and Berkshire Counties, Mass., and Bennington and Windham Counties, Vt., by A. H. Chidester, N. L. Hatch, Jr., P. H. Osberg, S. A. Norton, and J. H. Hartshorn. 1967. Lat 42°37'30" to 42°45', long 72°52'30" to 73°. Scale 1:24,000. 32 by 37½ inches. \$1.
- GQ-643. Geologic map of the Arlington quadrangle, Carbon County, Wyo., by H. J. Hyden, J. S. King, and R. S. Houston. 1967. Lat 41°30' to 41°37'30", long 106°07'30" to 106°15'. Scale 1:24,000. 31 by 35 inches. \$1.
- GQ-644. Geologic map of the Coletown quadrangle, east-central Kentucky, by D. F. B. Black. 1967. Lat 37°52'30" to 38°, long 84°22'30" to 84°30'. Scale 1:24,000. 30 by 39 inches. \$1.
- GQ-645. Geologic map of the Vine Grove quadrangle, Hardin and Meade Counties, Ky., by R. C. Kepferle. 1967. Lat 37°45' to 37°52'30", long 85°52'30" to 86°. Scale 1:24,000. Structure-contour interval 20 feet. 30 by 33½ inches. \$1.
- GQ-646. Geologic map of the Holden quadrangle, Snohomish and Chelan Counties, Wash., by F. W. Cater and D. F. Crowder. Lat 48° to 48°15', long 120°45' to 121°. Scale 1:62,500. 29 by 41 inches. \$1.
- GQ-647. Geologic map of the Lucerne quadrangle, Chelan County, Wash., by F. W. Cater and T. L. Wright. 1967. Lat 48° to 48°15', long 120°30' to 120°45'. Scale 1:62,500. 27 by 33 inches. \$1.
- GQ-648. Geologic map of the California quadrangle, Washington and Fayette

- Counties, Pa., by S. P. Schweinfurth. 1967. Lat 40° to 40°07'30", long 79°52'30" to 80°. Scale 1:24,000. Structure-contour interval 20 feet. 30 by 36 inches. \$1.
- GQ-649. Geologic map of the Berea quadrangle, east-central Kentucky, by G. W. Weir. 1967. Lat 37°30' to 37°37'30", long 84°15' to 84°22'30". Scale 1:24,000. Structure-contour interval 20 feet. 31½ by 49½ inches. \$1.
- GQ-650. Geologic map of the Elkton quadrangle, Todd County, Ky., by F. R. Shawe. 1967. Lat 36°45' to 36°52'30", long 87°07'30" to 87°15'. Scale 1:24,000. Structure-contour interval 20 feet. 30 by 33 inches. \$1.
- GQ-651. Geologic map of the Hopkinsville quadrangle, Christian County, Ky., by Harry Klemic. 1967. Lat 36°45' to 36°52'30", long 87°22'30" to 87°30'. Scale 1:24,000. Structure-contour interval 20 feet. 30 by 32 inches. \$1.
- GQ-652. Geologic map of part of the Joppa quadrangle, McCracken County, Ky., by W. I. Finch. 1967. Lat 37°07'30" to 37°12'30", long 88°45' to 88°52'30". Scale 1:24,000. Contour on erosional surface cut on rocks of Late Cretaceous and Paleocene age, interval 20 feet. 29 by 38 inches. \$1.
- GQ-653. Geologic map of the Centerville quadrangle, central Kentucky, by S. P. Kanizay and E. R. Cressman. 1967. Lat 38°07'30" to 38°15', long 84°22'30" to 84°30'. Scale 1:24,000. Structure-contour interval 10 feet. 30½ by 35 inches. \$1.
- GQ-654. Geologic map of the Soldier Pass quadrangle, California and Nevada, by E. H. McKee and C. A. Nelson. 1967. Lat 37°15' to 37°30', long 117°45' to 118°. Scale 1:62,500. 24½ by 31½ inches. \$1.
- GQ-655. Bedrock geologic map of the Watch Hill quadrangle, Washington County, R. I., and New London County, Conn., by G. E. Moore, Jr. 1967. Lat 41°15' to 41°22'30", long 71°45' to 71°52'30". Scale 1:24,000. 25 by 32 inches. \$1.
- GQ-656. Geologic map of the Winnemucca quadrangle, Pershing and Humboldt Counties, Nev., by James Gilluly. 1967. Lat 40°45' to 41°, long 117°30' to 117°45'. Scale 1:62,500. 26 by 36 inches. Accompanied by 4-page text. \$1.
- GQ-657. Geologic map of part of the Smithland quadrangle, Livingston County, Ky., by D. H. Amos. 1967. Lat 37°07'30" to 37°15', long 88°22'30" to 88°30'. Scale 1:24,000. Structure-contour interval 40 feet. 30 by 36 inches. \$1.
- GQ-658. Geologic map of the Roaring Spring quadrangle, Kentucky-Tennessee, by Harry Klemic and G. E. Ulrich. 1967. Lat 36°37'30" to 36°45', long 87°37'30" to 87°45'. Scale 1:24,000. Structure-contour interval 40 feet. 30 by 31 inches. \$1.
- GQ-659. Geologic map of the Millard quadrangle, Pike County, Ky., by E. C. Jenkins. 1967. Lat 37°22'30" to 37°30', long 82°22'30" to 82°30'. Scale 1:24,000. Structure-contour interval 40 feet. 31 by 39 inches. \$1.
- GQ-660. Surficial geologic map of the Danielson quadrangle, Windham County, Conn., by A. D. Randall and Fred Pessl, Jr. 1968. Lat 41°45' to 41°52'30", long 71°52'30" to 72°. Scale 1:24,000. Bedrock-contour intervals 50 and 25 feet. 34 by 35½ inches. \$1.
- GQ-661. Geologic map of the Tollesboro quadrangle, Lewis and Fleming Counties, Ky., by J. H. Peck. 1967. Lat 38°30' to 38°37'30", long 83°30' to 83°37'30". Scale 1:24,000. Structure-contour interval 20 feet. 31 by 41½ inches. \$1.
- GQ-662. Geologic map of the Brodhead quadrangle, east-central Kentucky, by J. L. Gualtieri. 1967. Lat 37°22'30" to 37°30', long 84°22'30" to 84°30'. Scale 1:24,000. Structure-contour interval 20 feet. 31 by 39 inches. \$1.

- GQ-663. Geologic map of the Clay City quadrangle, Powell and Estill Counties, Ky., by G. C. Simmons. 1967. Lat 37°45' to 37°52'30", long 83°52'30" to 84°. Scale 1:24,000. Structure-contour interval 20 feet. 33 by 44 inches. \$1.
- GQ-664. Geologic map of the Moberly quadrangle, Madison and Estill Counties, Ky., by R. C. Greene. 1968. Lat 37°37'30" to 37°45', long 84°07'30" to 84°15'. Scale 1:24,000. Structure-contour interval 20 feet. 30 by 37½ inches. \$1.
- GQ-665. Geologic map of the Bangor quadrangle, Pennsylvania-New Jersey, by R. E. Davis, A. A. Drake, Jr., and J. B. Epstein. 1967. Lat 40°45' to 40°52'30", long 75°07'30" to 75°15'. Scale 1:24,000. 28 by 40 inches. \$1.
- GQ-666. Geologic map of the Imlay quadrangle, Pershing County, Nev., by N. J. Silberling and R. E. Wallace. 1967. Lat 40°30' to 40°45', long 118° to 118°15'. Scale 1:62,500. 29 by 31 inches. \$1.
- GQ-667. Geologic map of the Kilauea Crater quadrangle, Hawaii, by D. W. Peterson. 1967. Lat 19°22'30" to 19°30', long 155°15' to 155°22'30". Scale 1:24,000. 32 by 40 inches. \$1.
- GQ-668. Geologic map of the Brandenburg Mountain quadrangle, Pinal County, Ariz., by M. H. Krieger. 1968. Lat 32°52'30" to 33°, long 110°30' to 110°37'30". Scale 1:24,000. 32 by 36 inches. Accompanied by 3-page text. \$1.
- GQ-669. Geologic map of the Holy Joe Peak quadrangle, Pinal County, Ariz., by M. H. Krieger. 1968. Lat 32°45' to 32°52'30", long 110°30' to 110°37'30". Scale 1:24,000. 31 by 36 inches. Accompanied by 4-page text. \$1.
- GQ-670. Geologic map of the Lookout Mountain quadrangle, Pinal County, Ariz., by M. H. Krieger. 1968. Lat 32°45' to 32°52'30", long 110°37'30" to 110°45'. Scale 1:24,000. 28 by 32 inches. Accompanied by 2-page text. \$1.
- GQ-671. Geologic map of the Saddle Mountain quadrangle, Pinal County, Ariz., by M. H. Krieger. 1968. Lat 32°52'30" to 33°, long 110°37'30" to 110°45'. Scale 1:24,000. 32 by 34 inches. Accompanied by 3-page text. \$1.
- GQ-672. Geologic map of the Quartzite Mountain quadrangle, Nye County, Nev., by C. L. Rogers, R. E. Anderson, E. B. Ekren, and J. T. O'Connor. 1967. Lat 37°30' to 37°45', long 116°15' to 116°30'. Scale 1:62,500. 25 by 35 inches. \$1.
- GQ-673. Geologic map of the Quality quadrangle, Butler and Logan Counties, Ky., by Benjamin Gildersleeve. 1968. Lat 37° to 37°07'30", long 86°45' to 86°52'30". Scale 1:24,000. Structure-contour interval 20 feet. 30 by 33 inches. \$1.
- GQ-674. Geologic map of the Saint Charles quadrangle, Hopkins and Christian Counties, Ky., by J. E. Palmer. 1967. Lat 37°07'30" to 37°15', long 87°30' to 87°37'30". Scale 1:24,000. Structure-contour interval 20 feet. 31 by 38 inches. \$1.
- GQ-675. Geologic map of the Frogue quadrangle, Kentucky-Tennessee, by R. Q. Lewis, Sr. 1967. Lat 36°37'30" to 36°45', long 85°15' to 85°22'30". Scale 1:24,000. Structure-contour interval 20 feet. 30 by 34 inches. \$1.
- GQ-676. Geologic map of the Dubre quadrangle, southern Kentucky, by R. Q. Lewis, Sr. 1967. Lat 36°45' to 36°52'30", long 85°30' to 85°37'30". Scale 1:24,000. Structure-contour interval 20 feet. 32 by 34 inches. \$1.
- GQ-677. Geologic map of the Rockholds quadrangle, Whitley and Knox Counties, Ky., by J. H. Smith. 1967. Lat 36°45' to 36°52'30", long 84° to 84°07'30". Scale 1:24,000. Structure-contour interval 20 feet. 31 by 34 inches. \$1.

- GQ-678. Geologic map of the Springfield South quadrangle, Hampden County, Mass., and Hartford and Tolland Counties, Conn., by J. H. Hartshorn and Carl Koteff. 1967. Lat 42° to 42°07'30", long 72°30' to 72°37'30". Scale 1:24,000. 26 by 32 inches. Accompanied by 4-page text. \$1.
- GQ-679. Geologic map of the Bluewater quadrangle, Valencia and McKinley Counties, N. Mex., by R. E. Thaden and E. J. Ostling. 1967. Lat 35°15' to 35°22'30", long 107°52'30" to 108°. Scale 1:24,000. Structure-contour interval 100 feet. 30 by 34½ inches. \$1.
- GQ-680. Geologic map of the Dos Lomas quadrangle, Valencia and McKinley Counties, N. Mex., by R. E. Thaden, E. S. Santos, and E. J. Ostling. 1967. Lat 35°15' to 35°22'30", long 107°45' to 107°52'30". Scale 1:24,000. Structure-contour interval 100 feet. 28 by 31 inches. \$1.
- GQ-681. Geologic map of the Grants quadrangle, Valencia County, N. Mex., by R. E. Thaden, E. S. Santos, and O. B. Raup. 1967. Lat 35°07'30" to 35°15', long 107°45' to 107°52'30". Scale 1:24,000. Structure-contour interval 100 feet. 31 by 34 inches. \$1.
- GQ-682. Geologic map of the Grants SE quadrangle, Valencia County, N. Mex., by R. E. Thaden, Seymour Merrin, and O. B. Raup. 1967. Lat 35° to 35°07'30", long 107°45' to 107°52'30". Scale 1:24,000. Structure-contour interval 100 feet. 31 by 34 inches. \$1.
- GQ-683. Geologic map of the Lexington East quadrangle, Fayette and Bourbon Counties, Ky., by W. C. MacQuown, Jr., and Ernest Dobrovolsky. 1968. Lat 38° to 38°07'30", long 84°22'30" to 84°30". Scale 1:24,000. Structure-contour interval 10 feet. 30½ by 35½ inches. \$1.
- GQ-684. Geologic map of the Wildie quadrangle, Garrard and Rockcastle Counties, Ky., by J. L. Gualtieri. 1968. Lat 37°22'30" to 37°30', long 84°15' to 84°22'30". Scale 1:24,000. Structure-contour interval 20 feet. 31 by 41 inches. \$1.
- GQ-685. Geologic map of the Johnetta quadrangle, Rockcastle and Jackson Counties, Ky., by J. L. Gualtieri. 1968. Lat 37°22'30" to 37°30', long 84°07'30" to 84°15'. Scale 1:24,000. Structure-contour interval 20 feet. 31 by 42 inches. \$1.
- GQ-686. Geologic map of the Panola quadrangle, Estill and Madison Counties, Ky., by R. C. Greene. 1968. Lat 37°37'30" to 37°45', long 84° to 84°07'30". Scale 1:24,000. Structure-contour interval 20 feet. 31 by 42½ inches. \$1.
- GQ-687. Geologic map of the Olaton quadrangle, western Kentucky, by W. D. Johnson, Jr., and A. E. Smith. 1968. Lat 37°30' to 37°37'30", long 86°37'30" to 86°45'. Scale 1:24,000. Structure-contour intervals 20 and 40 feet. 31 by 39 inches. \$1.
- GQ-688. Geologic map of the Dundee quadrangle, Ohio County, Ky., by G. H. Goudarzi and A. E. Smith. 1968. Lat 37°30' to 37°37'30", long 86°45' to 86°52'30". Scale 1:24,000. Structure-contour interval 20 feet. 31½ by 38 inches. \$1.
- GQ-689. Geologic map of the Swatara Hill quadrangle, Schuylkill and Berks Counties, Pa., by G. H. Wood, Jr., and T. M. Kehn. 1968. Lat 40°30' to 40°37'30", long 76°15' to 76°22'30". Scale 1:24,000. 28 by 48 inches. \$1.
- GQ-690. Geologic map of the Minersville quadrangle, Schuylkill County, Pa., by G. H. Wood, Jr., J. P. Trexler, and Andy Yelenosky. 1968. Lat 40°37'30" to 40°45', long 76°15' to 76°22'30". Scale 1:24,000. 28 by 46 inches. \$1.
- GQ-691. Geologic map of the Pine Grove quadrangle, Schuylkill, Lebanon, and

- Berks Counties, Pa., by G. H. Wood, Jr., and T. M. Kehn. 1968. Lat 40°30' to 40°37'30", long 76°22'30" to 76°30'. Scale 1:24,000. 28 by 46 inches. \$1.
- GQ-692. Geologic map of the Tremont quadrangle, Schuylkill and Northumberland Counties, Pa., by G. H. Wood, Jr., and J. P. Trexler. 1968. Lat 40°37'30" to 40°45', long 76°22'30" to 76°30'. Scale 1:24,000. 28 by 46 inches. \$1.
- GQ-693. Geologic map of the Center quadrangle, south-central Kentucky, by R. C. Miller and S. L. Moore. 1967. Lat 37°07'30" to 37°15', long 85°37'30" to 85°45'. Scale 1:24,000. Structure-contour interval 20 feet. 28 by 31 inches. \$1.
- GQ-694. Geologic map of the Kanarraville quadrangle, Iron County, Utah, by Paul Averitt. 1967. Lat 37°30' to 37°37'30", long 113°07'30" to 113°15'. Scale 1:24,000. 29½ by 31 inches. \$1.
- GQ-695. Geologic map of the Scrugham Peak quadrangle, Nye County, Nev., by F. M. Byers, Jr., and David Cummings. 1967. Lat 37°07'30" to 37°15', long 116°22'30" to 116°30'. Scale 1:24,000. 33 by 39 inches. \$1.
- GQ-696. Bedrock geologic map of the Danielson quadrangle, Windham County, Conn., by H. R. Dixon. 1968. Lat 41°45' to 41°52'30", long 71°52'30" to 72°. Scale 1:24,000. 30 by 32 inches. \$1.
- GQ-697. Geologic map and sections of the Ely quadrangle, White Pine County, Nev., by A. L. Brokaw. 1967. Lat 39°07'30" to 39°15', long 114°52'30" to 115°. Scale 1:24,000. 31 by 31 inches. \$1.
- GQ-698. Geologic map of the Tower City quadrangle, Schuylkill, Dauphin, and Lebanon Counties, Pa., by G. H. Wood, Jr. 1968. Lat 40°30' to 40°37'30", long 76°30' to 76°37'30". Scale 1:24,000. 28 by 48 inches. \$1.
- GQ-699. Geologic map of the Valley View quadrangle, Schuylkill and Northumberland Counties, Pa., by J. P. Trexler and G. H. Wood, Jr. 1968. Lat 40°37'30" to 40°45', long 76°30' to 76°37'30". Scale 1:24,000. 28 by 48 inches. \$1.
- GQ-700. Geologic map of the Klingerstown quadrangle, Northumberland, Schuylkill, and Dauphin Counties, Pa., by J. P. Trexler and G. H. Wood, Jr. 1968. Lat 40°37'30" to 40°45', long 76°37'30" to 76°45'. Scale 1:24,000. 28 by 48 inches. \$1.
- GQ-701. Geologic map of the Lykens quadrangle, Dauphin, Schuylkill, and Lebanon Counties, Pa., by J. P. Trexler and G. H. Wood, Jr. 1968. Lat 40°30' to 40°37'30", long 76°37'30" to 76°45'. Scale 1:24,000. 29 by 47 inches. \$1.
- GQ-702. Geologic map of the Elk Springs quadrangle, Moffat County, Colo., by J. R. Dyni. 1968. Lat 40°15' to 40°30', long 108°15' to 108°30'. Scale 1:62,500. Approximate structure-contour interval 1,000 feet. 31 by 31 inches. \$1.
- GQ-703. Geologic map of the Banty Point quadrangle, Rio Blanco County, Colo., by H. L. Cullins. 1968. Lat 40° to 40°07'30", long 108°52'30" to 109°. Scale 1:24,000. Structure-contour interval 200 feet. 33 by 33 inches. \$1.
- GQ-704. Geologic map of the Chair Mountain quadrangle, Gunnison and Pitkin Counties, Colo., by L. H. Godwin. 1968. Lat 39° to 39°07'30", long 107°15' to 107°22'30". Scale 1:24,000. Structure-contour interval 500 feet. 32 by 32 inches. \$1.
- GQ-705. Geologic map of the Munger Mountain quadrangle, Teton and Lincoln Counties, Wyo., by H. F. Albee. 1968. Lat 43°15' to 43°22'30", long 110°45' to 110°52'30". Scale 1:24,000. 29 by 33 inches. \$1.
- GQ-706. Geologic map of the Duwamish Head quadrangle, King and Kitsap

- Counties, Wash., by H. H. Waldron. 1967. Lat 47°30' to 47°37'30", long 122°22'30" to 122°30'. Scale 1:24,000. 27½ by 31½ inches. \$1.
- GQ-707. Geologic map of the Frankfort East quadrangle, Franklin and Woodford Counties, Ky., by J. S. Pomeroy. 1968. Lat 38°07'30" to 38°15', long 84°45' to 84°52'30". Scale 1:24,000. Structure-contour interval 10 feet. 31 by 38 inches. \$1.
- GQ-708. Geologic map of the Redbush quadrangle, eastern Kentucky, by C. L. Rice. 1968. Lat 37°52'30" to 38°, long 82°52'30" to 83°. Scale 1:24,000. Structure-contour interval 40 feet. 30 by 33½ inches. \$1.
- GQ-709. Geologic map of the Pembroke quadrangle, Christian and Todd Counties, Ky., by S. L. Moore. 1968. Lat 36°45' to 36°52'30", long 87°15' to 87°22'30". Scale 1:24,000. Structure-contour interval 20 feet. 30 by 33 inches. \$1.
- GQ-710. Geologic map of the Cobb quadrangle, Trigg and Caldwell Counties, Ky., by D. A. Seeland. 1968. Lat 36°52'30" to 37°, long 87°45' to 87°52'30". Scale 1:24,000. Structure-contour interval 40 feet. 31 by 32½ inches. \$1.
- GQ-711. Bedrock geologic map of the Castle Reef quadrangle, Teton and Lewis and Clark Counties, Mont., by M. R. Mudge. 1968. Lat 47°37'30" to 47°45', long 112°37'30" to 112°45'. Scale 1:24,000. 31½ by 39½ inches. \$1.
- GQ-712. Surficial geologic map of the Ashaway quadrangle, Connecticut-Rhode Island, by J. P. Schafer. 1968. Lat 41°22'30" to 41°30', long 71°45' to 71°52'30". Scale 1:24,000. 27 by 29 inches. \$1.
- GQ-713. Geologic map of the Dorton quadrangle, Pike County, Ky., by J. L. Barr and H. H. Arndt. 1968. Lat 37°15' to 37°22'30", long 82°30' to 82°37'30". Scale 1:24,000. Structure-contour interval 40 feet. 32 by 39 inches. \$1.
- GQ-714. Geologic map of the Russellville quadrangle, Logan County, Ky., by R. C. Miller. 1968. Lat 36°45' to 36°52'30", long 86°52'30" to 87°. Scale 1:24,000. Structure-contour interval 20 feet. 30 by 33 inches. \$1.
- GQ-715. Geologic map of the Mingus Mountain quadrangle, Yavapai County, Ariz., by C. A. Anderson and S. C. Creasey. 1967 [1968]. Lat 34°30' to 34°45', long 112° to 112°15'. Scale 1:62,500. 26 by 33 inches. \$1.
- GQ-716. Geologic map of the Lick Creek quadrangle, Pike County, Ky., by E. J. McKay and D. C. Alvord. 1969 [1970]. Lat 37°22'30" to 37°30', long 82°15' to 82°22'30". Scale 1:24,000. Structure-contour interval 40 feet. 32 by 35 inches. \$1.
- GQ-717. Geologic map of the Clintonville quadrangle, central Kentucky, by W. C. MacQuown, Jr. 1968. Lat. 38° to 38°07'30", long 84°15' to 84°22'30". Scale 1:24,000. Structure-contour interval 10 feet. 30 by 35 inches. \$1.
- GQ-718. Surficial geologic map of the Norwalk South quadrangle, Fairfield County, Conn., by H. E. Malde. 1968. Lat 41° to 41°07'30", long 73°22'30" to 73°30'. Scale 1:24,000. 29 by 31 inches. \$1.
- GQ-719. Geologic map of the Groom Mine SW quadrangle, Nye and Lincoln Counties, Nev., by R. B. Colton and D. C. Noble. 1967. Lat 37°15' to 37°22'30", long 115°52'30" to 116°. Scale 1:24,000. 27 by 28 inches. \$1.
- GQ-720. Geologic map of the David quadrangle, eastern Kentucky, by W. F. Outerbridge. 1968. Lat 37°30' to 37°37'30", long 82°52'30" to 83°. Scale 1:24,000. Structure-contour interval 40 feet. 31 by 35 inches. \$1.
- GQ-721. Geologic map of the Ezel quadrangle, Morgan and Menifee Counties, Ky., by G. N. Pipiringos, S. C. Bergman, and V. A. Trent. 1968. Lat

- 37°52'30" to 38°, long 83°22'30" to 83°30'. Scale 1:24,000. Structure-contour interval 20 feet. 33 by 36 inches. \$1.
- GQ-722. Geologic map of part of the Johnson Hollow quadrangle, Trigg County, Ky., by Harry Klemic, G. E. Ulrich, and S. L. Moore. 1968. Lat 36°37'30" to 36°45', long 87°45' to 87°52'30". Scale 1:24,000. Structure-contour interval 40 feet. 31 by 34½ inches. \$1.
- GQ-723. Geologic map of the Leatherwood quadrangle, southeastern Kentucky, by H. J. Prostka and V. M. Seiders. 1968. Lat 37° to 37°07'30", long 83°07'30" to 83°15'. Scale 1:24,000. Structure-contour interval 40 feet. 31 by 34 inches. \$1.
- GQ-724. Geologic map of the Fish Lake quadrangle, Fremont County, Wyo., by W. L. Rohrer. 1968. Lat 43°30' to 43°37'30", long 109°52'30" to 110°. Scale 1:24,000. 30½ by 33 inches. \$1.
- GQ-725. Geologic map of the Hanover NW quadrangle, El Paso County, Colo., by P. E. Soister. 1968. Lat 38°37'30" to 38°45', long 104°22'30" to 104°30'. Scale 1:24,000. 30 by 32 inches. \$1.
- GQ-726. Geologic map of the Camp Desert Rock quadrangle, Nye County, Nev., by E. N. Hinrichs. 1968. Lat 36°37'30" to 36°45', long 116° to 116°07'30". Scale 1:24,000. 34 by 34 inches. \$1.
- GQ-727. Surficial geologic map of the West Torrington quadrangle, Litchfield County, Conn., by R. B. Colton. 1968. Lat 41°45' to 41°52'30", long 73°07'30" to 73°15'. Scale 1:24,000. 28 by 29 inches. Accompanied by 3-page text. \$1.
- GQ-728. Geologic map of the Shuteye Peak quadrangle, Sierra Nevada, Calif., by N. K. Huber. 1968. Lat 37°15' to 37°30', long 119°15' to 119°30'. Scale 1:62,500. 24 by 32 inches. Accompanied by 4-page text. \$1.
- GQ-729. Geologic map of the Hatfield Mountain quadrangle, Gallatin County, Mont., by Betty Skipp and Mary-Margaret Hepp. 1968. Lat 46° to 46°07'30", long 110°52'30" to 111°. Scale 1:24,000. 30 by 33 inches. \$1.
- GQ-730. Geologic map of the Mount Callaghan quadrangle, Lander County, Nev., by J. H. Stewart and E. H. McKee. 1968. Lat 39°30' to 39°45', long 116°45' to 117°. Scale 1:62,500. 26 by 29 inches. \$1.
- GQ-731. Geologic map of the Calvert City quadrangle, Livingston and Marshall Counties, Ky., by D. H. Amos and W. I. Finch. 1968. Lat 37° to 37°07'30", long 88°15' to 88°22'30". Scale 1:24,000. Contours on erosional surface cut on rocks of Late Cretaceous, Mississippian, and Devonian age, interval 20 feet. 32 by 39 inches. \$1.
- GQ-732. Geologic map of the McDowell quadrangle, Floyd and Pike Counties, Ky., by C. L. Rice. 1968. Lat 37°22'30" to 37°30', long 82°37'30" to 82°45'. Scale 1:24,000. Structure-contour interval 40 feet. 31 by 35 inches. \$1.
- GQ-733. Geologic map of the Leadore quadrangle, Lemhi County, Idaho, by E. T. Ruppel. 1968. Lat 44°30' to 44°45', long 113°15' to 113°30'. Scale 1:62,500. 24 by 34 inches. Accompanied by 5-page text. \$1.
- GQ-734. Geologic map of the Greenacres quadrangle, Washington and Idaho, by P. L. Weis. 1968. Lat 47°30' to 47°45', long 117° to 117°15'. Scale 1:62,500. 29 by 29 inches. Accompanied by 4-page text. \$1.
- GQ-735. Geologic map of the Heath quadrangle, Massachusetts and Vermont, by N. L. Hatch, Jr., and J. H. Hartshorn. 1968. Lat 42°37'30" to 42°45', long 72°45' to 72°52'30". Scale 1:24,000. 31 by 44 inches. \$1.
- GQ-736. Geologic map of the Riverside quadrangle, Butler and Warren Counties, Ky., by F. R. Shawe. 1968. Lat 37°07'30" to 37°15', long 86°30' to

- 86°37'30". Scale 1:24,000. Structure-contour interval 20 feet. 30½ by 35½ inches. \$1.
- GQ-737. Geologic map of the Cravens quadrangle, Bullitt and Nelson Counties, Ky., by W. L. Peterson. 1968. Lat 37°45' to 37°52'30", long 85°30' to 85°37'30". Scale 1:24,000. Structure-contour interval 20 feet. 31½ by 36½ inches. \$1.
- GQ-738. Bedrock geologic map of the Meriden quadrangle, New Haven, Hartford, and Middlesex Counties, Conn., by P. M. Hanshaw. 1968. Lat 41°30' to 41°37'30", long 72°45' to 72°52'30". Scale 1:24,000. 25 by 33 inches. Accompanied by 4-page text. \$1.
- GQ-739. Geologic map of the Greensburg quadrangle, Green and Taylor Counties, Ky., by A. R. Taylor, S. J. Luft, and R. Q. Lewis, Sr. 1968. Lat 37°15' to 37°22'30", long 85°22'30" to 85°30'. Scale 1:24,000. Structure-contour interval 20 feet. 31 by 33 inches. \$1.
- GQ-740. Geologic map of the Shepherdsville quadrangle, Bullitt County, Ky., by R. C. Kepferle. 1968. Lat 37°52'30" to 38°, long 85°37'30" to 85°45'. Scale 1:24,000. Structure-contour interval 20 feet. 31 by 41 inches. \$1.
- GQ-741. Geologic map of the Hartford quadrangle, Ohio County, Ky., by G. H. Goudarzi. 1968. Lat 37°22'30" to 37°30', long 86°52'30" to 87°. Scale 1:24,000. Structure-contour interval 20 feet. 33 by 33 inches. \$1.
- GQ-742. Geologic map of the Olney quadrangle, Caldwell and Hopkins Counties, Ky., by R. D. Trace and T. M. Kehn. 1968. Lat 37°07'30" to 37°15', long 87°45' to 87°52'30". Scale 1:24,000. Structure-contour interval 20 or 40 feet. 30 by 36½ inches. \$1.
- GQ-743. Geologic map of the Monongahela quadrangle, southwestern Pennsylvania, by J. B. Roen, B. H. Kent, and S. P. Schweinfurth. 1968. Lat 40°07'30" to 40°15', long 79°52'30" to 80°. Scale 1:24,000. Structure-contour interval 20 feet. 30 by 34 inches. \$1.
- GQ-744. Geologic map of the Oak Level quadrangle, western Kentucky, by W. W. Olive and R. W. Davis. 1968. Lat 36°45' to 36°52'30", long 88°22'30" to 88°30'. Scale 1:24,000. Contours on erosional surface cut on rocks of Eocene, Paleocene, and Late Cretaceous age, interval 20 feet. 32 by 40 inches. \$1.
- GQ-745. Geologic map of the Bramwell quadrangle, West Virginia-Virginia, by K. J. Englund. 1968. Lat 37°15' to 37°22'30", long 81°15' to 81°22'30". Scale 1:24,000. Structure-contour interval 20 feet. 31½ by 43 inches. \$1.
- GQ-746. Geologic map of the Mine Mountain quadrangle, Nye County, Nev., by P. P. Orkild. 1968. Lat 36°52'30" to 37°, long 116°07'30" to 116°15'. Scale 1:24,000. Inferred contour interval 500 feet. 32 by 33 inches. \$1.
- GQ-747. Geologic map of the Black Ridge quadrangle, Delta and Montrose Counties, Colo., by W. R. Hansen. 1968. Lat 38°37'30" to 38°45', long 107°45' to 107°52'30". Scale 1:24,000. Structure-contour interval 200 feet. 33 by 37 inches. \$1.
- GQ-748. Geologic map of parts of the Majestic-Hurley and Wharncliffe quadrangles, Pike County, Ky., by W. F. Outerbridge. 1968. Lat about 37°25' to 37°33', long 81°57'30" to 82°07'30". Scale 1:24,000. Structure-contour interval 40 feet. 30 by 35 inches. \$1.
- GQ-749. Geologic map of the Hodgenville quadrangle, Laure and Nelson Counties, Ky., by F. B. Moore. 1968. Lat 37°30' to 37°37'30", long 85°37'30" to 85°45'. Scale 1:24,000. Structure-contour interval 20 feet. 31 by 33½ inches. \$1.
- GQ-750. Geologic map of the Wellfleet quadrangle, Barnstable County, Cape

- Cod, Mass., by R. N. Oldale. 1968. Lat 41°52'30" to 42°, long 69°57'30" to 70°05'. Scale 1:24,000. 32½ by 38 inches. Accompanied by 4-page text. \$1.
- GQ-751. Geologic map of part of the Owensboro East quadrangle in Daviess County, Ky., by W. D. Johnson, Jr., and A. E. Smith. 1968. Lat 37°45' to 37°52'30", long 87° to 87°07'30". Scale 1:24,000. Structure-contour interval 20 feet. 33 by 34 inches. \$1.
- GQ-752. Geologic map of the Exie quadrangle, Green County, Ky., by S. L. Moore. 1968. Lat 37°07'30" to 37°15', long 85°30' to 85°37'30". Scale 1:24,000. Structure-contour interval 20 feet. 31 by 31 inches. \$1.
- GQ-753. Geologic map of the Gracey quadrangle, Trigg and Christian Counties, Ky., by W. H. Nelson and D. A. Seeland. 1968. Lat 36°52'30" to 37°, long 87°37'30" to 87°45'. Scale 1:24,000. Structure-contour interval 20 feet. 30½ by 32½ inches. \$1.
- GQ-754. Geologic map of part of the Repton quadrangle in Crittenden County, Ky., by D. A. Seeland. 1968. Lat 37°22'30" to 37°30', long 88° to 88°07'30". Scale 1:24,000. Structure-contour interval 50 feet. 30½ by 35 inches. \$1.
- GQ-755. Geologic map of the Pat O'Hara Mountain quadrangle, Park County, Wyo., by W. G. Pierce and W. H. Nelson. 1968. Lat 44°30' to 44°45', long 109°15' to 109°30'. Scale 1:62,500. 26½ by 33 inches. \$1.
- GQ-756. Surficial geologic map of the Durham quadrangle, Middlesex and New Haven Counties, Conn., by H. E. Simpson. 1968. Lat 41°22'30" to 41°30', long 72°37'30" to 72°45'. Scale 1:24,000. 28 by 31 inches. \$1.
- GQ-757. Geologic map of the Bee Spring quadrangle, Edmonson and Grayson Counties, Ky., by Benjamin Gildersleeve. 1968. Lat 37°15' to 37°22'30", long 86°15' to 86°22'30". Scale 1:24,000. Structure-contour interval 20 feet. 31 by 33½ inches. \$1.
- GQ-758. Geologic map of the Riepetown quadrangle, White Pine County, Nev., by A. L. Brokaw and P. J. Barosh. 1968. Lat 39°15' to 39°22'30", long 115° to 115°07'30". Scale 1:24,000. 32 by 34 inches. \$1.
- GQ-759. Geologic map of the Hardin quadrangle, Marshall County, Ky., by G. R. Scott and L. M. MacCary. 1968. Lat 36°45' to 36°52'30", long 88°15' to 88°22'30". Scale 1:24,000. 31 by 33 inches. \$1.
- GQ-760. Geologic map of the Salvisa quadrangle, central Kentucky, by E. R. Cressman. 1968. Lat 37°52'30" to 38°, long 84°45' to 84°52'30". Scale 1:24,000. Structure-contour interval 10 feet. 31 by 38½ inches. \$1.
- GQ-761. Geologic map of the Ackerman Canyon quadrangle, Lander and Eureka Counties, Nev., by E. H. McKee. 1968. Lat 39°30' to 39°45', long 116°30' to 116°45'. Scale 1:62,500. 23 by 26 inches. \$1.
- GQ-762. Geologic map of the Nortonville quadrangle, Hopkins and Christian Counties, Ky., by J. E. Palmer. 1968. Lat 37°07'30" to 37°15', long 87°22'30" to 87°30'. Scale 1:24,000. Structure-contour interval 20 feet. 31½ by 38½ inches. \$1.
- GQ-763. Geologic map of the Lovelaceville quadrangle, western Kentucky, by W. I. Finch. 1968 [1969]. Lat 36°52'30" to 37°, long 88°45' to 88°52'30". Scale 1:24,000. 31 by 40 inches. \$1.
- GQ-764. Geologic map of the Ford quadrangle, central Kentucky, by D. F. B. Black. 1968 [1969]. Lat 37°52'30" to 38°, long 84°15' to 84°22'30". Scale 1:24,000. Structure-contour interval 10 feet. 31 by 40½ inches. \$1.
- GQ-765. Geologic map of the Graham quadrangle, western Kentucky, by T. M. Kehn. 1968 [1969]. Lat 37°07'30" to 37°15', long 87°15' to 87°22'30". Scale 1:24,000. Structure-contour interval 20 feet. 33 by 36 inches. \$1.
- GQ-766. Geologic map of the Pleasant Ridge quadrangle, Ohio and Daviess

- Counties, Ky., by G. H. Goudarzi and A. E. Smith. 1968 [1969]. Lat 37°30' to 37°37'30", long 86°52'30" to 87°. Scale 1:24,000. Structure-contour interval 20 feet. 32 by 35 inches. \$1.
- GQ-767. Geologic map of the Nicholasville quadrangle, Jessamine and Fayette Counties, Ky., by W. C. MacQuown, Jr. 1968 [1969]. Lat 37°52'30" to 38°, long 84°30' to 84°37'30". Scale 1:24,000. Structure-contour interval 10 feet. 31 by 37 inches. \$1.
- GQ-768. Geologic map of the Adelaida quadrangle, San Luis Obispo County, Calif., by D. L. Durham. 1968. Lat 35°37'30" to 35°45', long 120°45' to 120°52'30". Scale 1:24,000. 27½ by 34 inches. \$1.
- GQ-769. Areal and engineering geology of the Oakland East quadrangle, California, by D. H. Radbruch. 1969. Lat 37°45' to 37°52'30", long 122°07'30" to 122°15'. Scale 1:24,000. 32½ by 34 inches. Accompanied by 15-page text. \$1.
- GQ-770. Geologic map of the Spencer Hot Springs quadrangle, Lander County, Nev., by E. H. McKee. 1968 [1969]. Lat 39°15' to 39°30', long 116°45' to 117°. Scale 1:62,500. 24 by 25 inches. \$1.
- GQ-771. Geologic map of the Muddy Gap quadrangle, Carbon County, Wyo., by M. W. Reynolds. 1968 [1969]. Lat 42°15' to 42°22'30", long 107°22'30" to 107°30'. Scale 1:24,000. 31 by 32½ inches. \$1.
- GQ-772. Geologic map of the Whiskey Peak quadrangle, Carbon, Fremont, and Sweetwater Counties, Wyo., by M. W. Reynolds. 1968 [1969]. Lat 42°15' to 42°22'30", long 107°30' to 107°37'30". Scale 1:24,000. 33 by 34 inches. \$1.
- GQ-773. Geologic map of the Bradley Peak quadrangle, Carbon County, Wyo., by R. W. Bayley. 1968 [1969]. Lat 42°07'30" to 42°15', long 107° to 107°07'30". Scale 1:24,000. Magnetic-contour intervals 50 and 100 gammas. 29 by 34 inches. \$1.
- GQ-774. Geologic map of the Trail Ridge quadrangle, Nye County, Nev., by R. L. Christiansen and D. C. Noble. 1968 [1969]. Lat 37°15' to 37°22'30", long 116°30' to 116°37'30". Scale 1:24,000. 31 by 35½ inches. \$1.
- GQ-775. Geologic map of part of the Jamboree quadrangle, Pike County, Ky., by W. F. Outerbridge and R. V. Vloten. 1968 [1969]. Lat 37°22'30" to 37°30', long 82°07'30" to 82°15'. Scale 1:24,000. Structure-contour interval 40 feet. 32 by 34½ inches. \$1.
- GQ-776. Geologic map of the Woodstock quadrangle, south-central Kentucky, by G. W. Weir and S. O. Schlanger. 1969. Lat 37°15' to 37°22'30", long 84°30' to 84°37'30". Scale 1:24,000. Structure-contour interval 20 feet. 29½ by 33 inches. \$1.
- GQ-777. Geologic map of the Nebo quadrangle, Webster and Hopkins Counties, Ky., by G. J. Franklin. 1969. Lat 37°22'30" to 37°30', long 87°37'30" to 87°45'. Scale 1:24,000. Structure-contour interval 20 feet. 31½ by 39½ inches. \$1.
- GQ-778. Geologic map of the Wapiti quadrangle, Park County, Wyo., by W. B. Pierce and W. H. Nelson. 1969. Lat 44°15' to 44°30', long 109°15' to 109°30'. Scale 1:62,500. 27 by 36 inches. \$1.
- GQ-779. Geologic map of the Union quadrangle, Boone County, Ky., by W. C. Swadley. 1969. Lat 38°52'30" to 39°, long 84°37'30" to 84°45'. Scale 1:24,000. Structure-contour interval 10 feet. 30 by 34 inches. \$1.
- GQ-780. Geologic map of the Rock Haven quadrangle, Kentucky-Indiana, and part of the Laconia quadrangle, Kentucky, by C. F. Withington and E. G.

- Sable. 1969. Lat 37°52'30" to 38°, long 86° to 86°07'30". Scale 1:24,000. Structure-contour interval 20 feet. 33½ by 35 inches. \$1.
- GQ-781. Geologic map of the Shenandoah quadrangle, Schuylkill County, Pa., by G. H. Wood, Jr., and H. H. Arndt. 1969. Lat 40°45' to 40°52'30", long 76°07'30" to 76°15'. Scale 1:24,000. 28 by 42 inches. \$1.
- GQ-782. Surficial geologic map of the New Preston quadrangle, Litchfield County, Conn., by R. B. Colton. 1969. Lat 41°37'30" to 41°45', long 73°15' to 73°22'30". Scale 1:24,000. 29 by 32 inches. \$1.
- GQ-783. Geologic map of the Corral Bluffs quadrangle, El Paso County, Colo., by P. E. Soister. 1968. Lat 38°45' to 38°52'30", long 104°30' to 104°37'30". Scale 1:24,000. Structure-contour interval 100 feet. 30 by 34 inches. \$1.
- GQ-784. Geologic map of the Mays Lick quadrangle, Mason County, Ky., by A. B. Gibbons. 1968 [1969]. Lat 38°30' to 38°37'30", long 83°45' to 83°52'30". Scale 1:24,000. Structure-contour interval 20 feet. 30 by 35 inches. \$1.
- GQ-785. Geologic map of the Independence quadrangle, Kenton and Boone Counties, Ky., by S. J. Luft. 1969. Lat 38°52'30" to 39°, long 84°30' to 84°37'30". Scale 1:24,000. Structure-contour interval 20 feet. 31 by 34 inches. \$1.
- GQ-786. Geologic map of the Harwich quadrangle, Barnstable County, Cape Cod, Mass., by R. N. Oldale. 1969 [1970]. Lat 41°39' to 41°47', long 70° to 70°07'30". Scale 1:24,000. 30 by 33½ inches. Accompanied by 4-page text. \$1.
- GQ-787. Geologic map of the Monomoy Point quadrangle, Barnstable County, Cape Cod, Mass., by Carl Koteff, R. N. Oldale, and J. H. Hartshorn. 1968 [1969]. Lat 41°30' to 41°37'30", long 69°57'30" to 70°05'. Scale 1:24,000. 23 by 28 inches. \$1.
- GQ-788. Geologic map of the Maroon Bells quadrangle, Pitkin and Gunnison Counties, Colo., by Bruce Bryant. 1969. Lat 39° to 39°07'30", long 106°52'30" to 107°. Scale 1:24,000. 32 by 34 inches. \$1.
- GQ-789. Geologic map of the White Rock Canyon quadrangle, Carbon County, Wyo., by H. J. Hyden, R. S. Houston, and J. S. King. 1968 [1969]. Lat 41°30' to 41°37'30", long 106°15' to 106°22'30". Scale 1:24,000. 31 by 34 inches. \$1.
- GQ-790. Geologic map of the Causey Dam quadrangle, Weber County, Utah, by T. E. Mullens. 1969. Lat 41°15' to 41°22'30", long 111°30' to 111°37'30". Scale 1:24,000. 30½ by 34 inches. \$1.
- GQ-791. Bedrock geologic and magnetic maps of the Marlborough quadrangle, east-central Connecticut, by G. L. Snyder. 1970. Lat 41°37'30" to 41°45', long 72°22'30" to 72°30'. Scale 1:24,000. Sheet 1, 28½ by 41 inches; sheet 2, 28 by 40 inches. Accompanied by 5-page text. \$1 per set.
- GQ-792. Geologic map of the Little Hickman quadrangle, central Kentucky, by D. E. Wolcott. 1969. Lat 37°45' to 37°52'30", long 84°30' to 84°37'30". Scale 1:24,000. Structure-contour interval 20 feet. 31 by 38½ inches. \$1.
- GQ-793. Geologic map of the Teton Pass quadrangle, Teton County, Wyo., by M. L. Schroeder. 1969. Lat 43°22'30" to 43°30', long 110°52'30" to 111°. Scale 1:24,000. 34 by 34 inches. \$1.
- GQ-794. Surficial geologic map of the Shrewsbury quadrangle, Worcester County, Mass., by C. E. Shaw, Jr. 1969. Lat 42°15' to 42°22'30", long 71°37'30" to 71°45'. Scale 1:24,000. 26 by 32 inches. \$1.
- GQ-795. Geologic map of the Escabosa quadrangle, Bernalillo County, N. Mex., by D. A. Myers. 1969. Lat 34°52'30" to 35°, long 106°15' to

- 106°22'30". Scale 1:24,000. Structure-contour interval 100 feet. 28 by 28½ inches. \$1.
- GQ-796. Bedrock geologic map of the Blue Hills quadrangle, Norfolk, Suffolk, and Plymouth Counties, Mass., by N. E. Chute. 1969. Lat 42°07'30" to 42°15', long 71° to 71°07'30". Scale 1:24,000. 30 by 41 inches. \$1.
- GQ-797. Geologic map of the Rico quadrangles, Dolores and Montezuma Counties, Colo., by W. P. Pratt, E. T. McKnight, and R. A. DeHon. 1969. Lat 37°37'30" to 37°45', long 108° to 108°07'30". Scale 1:24,000. 33 by 34 inches. \$1.
- GQ-798. Surficial geologic map of the Tariffville quadrangle, Connecticut-Massachusetts, by A. D. Randall. 1970. Lat 41°52'30" to 42°, long 72°45' to 72°52'30". Scale 1:24,000. Bedrock-contour interval 50 feet. 28 by 42 inches. \$1.
- GQ-799. Geologic map of parts of the Bandana and Olmsted quadrangles, McCracken and Ballard Counties, Ky., by W. W. Olive. 1969. Lat 37°07'30" to about 37°12'30", long 88°52'30" to about 89°6'. Scale 1:24,000. Contours on erosional surface cut on rocks of Eocene, Paleocene, Late Cretaceous, and Paleozoic age, interval 20 feet. 33 by 51 inches. \$1.
- GQ-800. Geologic map of the Paint Lick quadrangle, east-central Kentucky, by G. W. Weir, 1969. Lat 37°30' to 37°37'30", long 84°22'30" to 84°30'. Scale 1:24,000. Structure-contour interval 20 feet. 31 by 44 inches. \$1.
- GQ-801. Geologic map of the Ivyton quadrangle, eastern Kentucky, by C. L. Rice. 1969. Lat 37°37'30" to 37°45', long 82°52'30" to 83°. Scale 1:24,000. Structure-contour interval 40 feet. 31 by 34½ inches. \$1.
- GQ-802. Geologic map of the Faubush quadrangle, Pulaski and Russell Counties, Ky., by R. E. Thaden and R. Q. Lewis, Sr. 1969. Lat 37° to 37°07'30", long 84°45' to 84°52'30". Scale 1:24,000. Structure-contour interval 10 feet. 31½ by 36 inches. \$1.
- GQ-803. Geologic map of the Blacks Ferry quadrangle, Monroe and Cumberland Counties, Ky., by Richard Van Horn and W. R. Griffiths. 1969. Lat 36°37'30" to 36°45', long 85°22'30" to 85°30'. Scale 1:24,000. Structure-contour interval 20 feet. 32 by 34 inches. \$1.
- GQ-804. Geologic map of the Healy D-2 quadrangle, Alaska, by Clyde Wahrhaftig. 1970. Lat 63°45' to 64°, long 147°30' to 148°. Scale 1:63,360. 28 by 33 inches. \$1.
- GQ-805. Geologic map of the Healy D-3 quadrangle, Alaska, by Clyde Wahrhaftig. 1970. Lat 63°45' to 64°, long 148° to 148°30'. Scale 1:63,360. 27 by 32 inches. \$1.
- GQ-806. Geologic map of the Healy D-4 quadrangle, Alaska, by Clyde Wahrhaftig. 1970. Lat 63°45' to 64°, long 148°30' to 149°. Scale 1:63,360. Structure-contour intervals 500 and 1,000 feet. 29 by 33 inches. \$1.
- GQ-807. Geologic map of the Healy D-5 quadrangle, Alaska, by Clyde Wahrhaftig. 1970. Lat 63°45' to 64°, long 149° to 149°30'. Scale 1:63,360. Structure-contour interval 500 feet. 29½ by 30½ inches. \$1.
- GQ-808. Geologic map of the Fairbanks A-2 quadrangle, Alaska, by Clyde Wahrhaftig. 1970. Lat 64° to 64°15', long 147°30' to 148°. Scale 1:63,360. Structure-contour interval 500 feet. 24½ by 26½ inches. \$1.
- GQ-809. Geologic map of the Fairbanks A-3 quadrangle, Alaska, by Clyde Wahrhaftig. 1970. Lat 64° to 64°15', long 148° to 148°30'. Scale 1:63,360. Structure-contour interval 500 feet. 26 by 26 inches. \$1.
- GQ-810. Geologic map of the Fairbanks A-4 quadrangle, Alaska, by Clyde

- Wahrhaftig. 1970. Lat 64° to 64°15', long 148°30' to 149°. Scale 1:63,360. Structure-contour interval 500 feet. 27 by 28 inches. \$1.
- GQ-811. Geologic map of the Fairbanks A-5 quadrangle, Alaska, by Clyde Wahrhaftig. 1970. Lat 64° to 64°15', long 149° to 149°30'. Scale 1:63,360. Structure-contour interval 500 feet. 23 by 25 inches. \$1.
- GQ-812. Geologic map of the Black Cabin Gulch quadrangle, Rio Blanco County, Colo., by W. B. Cashion. 1969. Lat 39°45' to 39°52'30", long 108°30' to 108°37'30". Scale 1:24,000. Structure-contour interval 100 feet. 26 by 31 inches. \$1.
- GQ-813. Geologic map of the Cameron quadrangle, Madison County, Mont., by J. B. Hadley. 1969. Lat 45° to 45°15', long 111°30' to 111°45'. Scale 1:62,500. 25 by 25 inches. \$1.
- GQ-814. Geologic map of the Varney quadrangle, Madison County, Mont., by J. B. Hadley. 1969 [1970]. Lat 45° to 45°15', long 111°45' to 112°. Scale 1:62,500. 24 by 28 inches. \$1.
- GQ-815. Geologic map of the Equality quadrangle, western Kentucky, by G. H. Goudarzi. 1969. Lat 37°22'30" to 37°30', long 87° to 87°07'30". Scale 1:24,000. Structure-contour interval 20 feet. 30 by 35½ inches. \$1.
- GQ-816. Geologic map of the Canmer quadrangle, Hart County, Ky., by R. C. Miller. 1969. Lat 37°15' to 37°22'30", long 85°45' to 85°52'30". Scale 1:24,000. Structure-contour interval 20 feet. 31 by 34½ inches. \$1.
- GQ-817. Geologic map of the Devils Tooth quadrangle, Park County, Wyo., by W. G. Pierce. 1970. Lat 44°15' to 44°30', long 109° to 109°15'. Scale 1:62,500. 26 by 33 inches. \$1.
- GQ-818. Geologic map of the Superior quadrangle, Pinal County, Ariz., by D. W. Peterson. 1969. Lat 33°15' to 33°22'30", long 111° to 111°07'30". Scale 1:24,000. Contour interval 40 feet. 33½ by 34½ inches. \$1.
- GQ-819. Geologic map of the Verona quadrangle, north-central Kentucky, by W C Swadley. 1969. Lat 38°45' to 38°52'30", long 84°37'30" to 84°45', Scale 1:24,000. Structure-contour interval 10 feet. 30 by 33 inches. \$1.
- GQ-820. Geologic map of the Unionville quadrangle, Pershing County, Nev., by R. E. Wallace, D. B. Tatlock, N. J. Silberling, and W. P. Irwin. 1969 [1970]. Lat 40°15' to 40°30', long 118° to 118°15'. Scale 1:62,500. 29 by 29 inches. \$1.
- GQ-821. Geologic map of the Buffalo Mountain quadrangle, Pershing and Churchill Counties, Nev., by R. E. Wallace, N. J. Silberling, W. P. Irwin, and D. B. Tatlock. 1969 [1970]. Lat 40° to 40°15', long 118° to 118°15'. Scale 1:62,500. 27 by 30 inches. \$1.
- GQ-822. Geologic map of the Oak Spring Butte quadrangle, Nye County, Nev., by C. L. Rogers and D. C. Noble. 1969 [1970]. Lat 37°15' to 37°22'30", long 116° to 116°07'30". Scale 1:24,000. 33 by 37 inches. \$1.
- GQ-823. Geologic map of the Casa Grande quadrangle, Colfax County, N. Mex., and Las Animas County, Colo., by C. L. Pillmore. 1969 [1970]. Lat 36°45' to 37°, long 104°45' to 105°. Scale 1:62,500. Structure-contour intervals 40 and 100 feet. 26 by 38 inches. \$1.
- GQ-824. Geologic map of the Samuels quadrangle, north-central Kentucky, by R. C. Kepferle. 1969 [1970]. Lat 37°52'30" to 38°, long 85°30' to 85°37'30". Scale 1:24,000. Structure-contour interval 20 feet. 29 by 42 inches. \$1.
- GQ-825. Geologic map of the Bardstown quadrangle, Nelson County, Ky., by W. L. Peterson. 1969. Lat 37°45' to 37°52'30", long 85°22'30" to 85°30'. Scale 1:24,000. Structure-contour interval 30 feet. 31 by 36 inches. \$1.

- GQ-826. Geologic map of the Mather quadrangle, southwestern Pennsylvania, by B. H. Kent. 1969 [1970]. Lat 39°52'30" to 40°, long 80° to 80°07'30". Scale 1:24,000. Structure-contour interval 20 feet. 31 by 37 inches. \$1.
- GQ-827. Geologic map of the Kau Desert quadrangle, Hawaii, by G. W. Walker. 1969 [1970]. Lat 19°15' to 19°22'30", long 155°15' to 155°22'30". Scale 1:24,000. 31 by 45 inches. \$1.
- GQ-828. Geologic map of the Rapid City West quadrangle, Pennington County, S. Dak., by J. M. Cattermole. 1969 [1970]. Lat 44° to 44°07'30", long 103°15' to 103°22'30". Scale 1:24,000. 31 by 34 inches. \$1.
- GQ-829. Geologic map of the Drake quadrangle, Larimer County, Colo., by W. A. Braddock, Prinya Nutalaya, S. J. Gawarecki, and G. C. Curtin. 1970. Lat 40°22'30" to 40°30', long 105°15' to 105°22'30". Scale 1:24,000. 28½ by 33 inches. \$1.
- GQ-830. Geologic map of the Lewisburg quadrangle, Logan County, Ky., by H. C. Rainey III and R. C. Miller. 1969 [1970]. Lat 36°52'30" to 37°, long 86°52'30" to 87°. Scale 1:24,000. Structure-contour interval 20 feet. 30 by 33 inches. \$1.
- GQ-831. Geologic map of the Central City West quadrangle, Muhlenberg and Ohio Counties, Ky., by J. E. Palmer. 1969 [1970]. Lat 37°15' to 37°22'30", long 87°07'30" to 87°15'. Scale 1:24,000. Structure-contour interval 20 feet. 31 by 36 inches. \$1.
- GQ-832. Geologic map of the Masonville quadrangle, Larimer County, Colo., by W. A. Braddock, R. H. Calvert, S. J. Gawarecki, and Prinya Nutalaya. 1970. Lat 40°22'30" to 40°30', long 105°07'30" to 105°15'. Scale 1:24,000. 32 by 33 inches. \$1.
- GQ-833. Geologic map of the Nederland quadrangle, Boulder and Gilpin Counties, Colo., by D. J. Gable. 1969 [1970]. Lat 39°52'30" to 40°, long 105°30' to 105°37'30". Scale 1:24,000. 31 by 33 inches. \$1.
- GQ-834. Geologic map of the Hudgins quadrangle, Green and Hart Counties, Ky., by R. C. Miller and S. L. Moore. 1969 [1970]. Lat 37°15' to 37°22'30", long 85°37'30" to 85°45'. Scale 1:24,000. Structure-contour interval 20 feet. 29 by 33 inches. \$1.
- GQ-835. Geologic map of the Mellen Hill quadrangle, Rio Blanco and Moffat Counties, Colo., by H. L. Cullins. 1969 [1970]. Lat 40°07'30" to 40°15', long 108°52'30" to 109°. Scale 1:24,000. Structure-contour intervals 200 and 500 feet. 33 by 40 inches. \$1.
- GQ-836. Geologic map of the Glen Dean quadrangle, Breckinridge and Hancock Counties, Ky., by G. H. Goudarzi. 1970. Lat 37°37'30" to 37°45', long 86°30' to 86°37'30". Scale 1:24,000. Structure-contour interval 20 feet. 29 by 35½ inches. \$1.
- GQ-837. Geologic map of the Flemingsburg quadrangle, Fleming and Mason Counties, Ky., by J. H. Peck. 1969 [1970]. Lat 38°22'30" to 38°30', long 83°37'30" to 83°45'. Scale 1:24,000. Structure-contour interval 20 feet. 28½ by 36 inches. \$1.
- GQ-838. Geologic map of the Waynesburg quadrangle, southwestern Pennsylvania, by J. B. Roen. 1970. Lat 39°52'30" to 40°, long 80°07'30" to 80°15'. Scale 1:24,000. Structure-contour interval 20 feet. 32 by 37½ inches. \$1.
- GQ-839. Geologic map of the Sutherland quadrangle, Daviess County, Ky., by W. D. Johnson, Jr., and A. E. Smith. 1969 [1970]. Lat 37°37'30" to 37°45', long 87° to 87°07'30". Scale 1:24,000. Structure-contour interval 20 feet. 31 by 35 inches. \$1.

- GQ-840. Geologic map of the upper Holter Lake quadrangle, Lewis and Clark County, Mont., by G. D. Robinson, M. E. McCallum, and W. H. Hays. 1969 [1970]. Lat 46°45' to 46°52'30", long 111°52'30" to 112°. Scale 1:24,000. 29 by 49½ inches. \$1.
- GQ-841. Geologic map of the Quartzsite quadrangle, Yuma County, Ariz., by F. K. Miller. 1970. Lat 33°30' to 33°45', long 114° to 114°15'. Scale 1:62,500. 25 by 36 inches. Accompanied by 3-page text. \$1.
- GQ-842. Geologic map of the Howard Quarter quadrangle, northeastern Tennessee, by L. D. Harris and R. B. Mixon. 1970. Lat 36°22'30" to 36°30', long 83°22'30" to 83°30'. Scale 1:24,000. 33 by 41 inches. \$1.
- GQ-843. Geologic map of the Buckeye quadrangle, central Kentucky, by D. E. Wolcott. 1970. Lat 37°37'30" to 37°45', long 84°30' to 84°37'30". Scale 1:24,000. Structure-contour interval 20 feet. 30 by 34 inches. \$1.
- GQ-844. Geologic map of the McCarthy C-4 quadrangle, Alaska, by E. M. MacKevett, Jr. 1970. Lat 61°30' to 61°45', long 142°07'30" to 142°30'. Scale 1:63,360. 31 by 34 inches. Accompanied by 8-page text. \$1.
- GQ-845. Geologic map of parts of the Alton and Derby quadrangles, Meade and Breckinridge Counties, Ky., by D. H. Amos. 1970. Lat 38° to 38°07'30", long 86°22'30" to 86°32'30". Scale 1:24,000. Structure-contour interval 20 feet. 32 by 40 inches. \$1.
- GQ-846. Geologic map of parts of the Patriot and Florence quadrangles, north-central Kentucky, by W C Swadley. 1969 [1970]. Lat 38°45' to 38°52'30", long 84°45' to 85°. Scale 1:24,000. Structure-contour interval 10 feet. 29 by 49 inches. \$1.
- GQ-847. Geologic map of the Wilmore quadrangle, central Kentucky, by E. R. Cressman and S. V. Hrabar. 1970. Lat 37°45' to 37°52'30", long 84°37'30" to 84°45'. Scale 1:24,000. Structure-contour interval 10 feet. 31 by 35½ inches. \$1.
- GQ-848. Surficial geologic map of the Litchfield quadrangle, Litchfield County, Conn., by C. R. Warren. 1970. Lat 41°37'30" to 41°45', long 73°07'30" to 73°15'. 29 by 36 inches. \$1.
- GQ-850. Surficial geologic map of the Georgetown quadrangle, Essex County, Mass., by N. P. Cuppels. 1969 [1970]. Lat 42°37'30" to 42°45', long 70°52'30" to 71°. Scale 1:24,000. 28 by 38 inches. \$1.
- GQ-853. Geologic map of the Snowmass Mountain quadrangle, Pitkin and Gunnison Counties, Colo., by F. E. Mutschler. 1970. Lat 39° to 39°07'30", long 107° to 107°07'30". Scale 1:24,000. 33 by 45 inches. \$1.
- GQ-854. Geologic map of the Sherburne quadrangle, northeastern Kentucky by W. F. Outerbridge. 1970. Lat 38°15' to 38°22'30", long 83°45' to 83°52'30". Scale 1:24,000. Structure-contour interval 20 feet. 29 by 34 inches. \$1.
- GQ-855. Geologic map of the Jellico West quadrangle, Kentucky-Tennessee, by K. J. Englund. 1969 [1970]. Lat 36°30' to 36°37'30", long 84°07'30" to 84°15'. Scale 1:24,000. Structure-contour interval 20 feet. 31 by 41 inches. \$1.
- GQ-856. Geologic map of the Midway quadrangle, central Kentucky, by J. S. Pomeroy. 1970. Lat 38°07'30" to 38°15', long 84°37'30" to 84°45'. Scale 1:24,000. Structure-contour interval 10 feet. 31 by 35 inches. \$1.
- GQ-857. Geologic map of the Worthington quadrangle, Hampshire and Berkshire Counties, Mass., by N. L. Hatch, Jr. 1969 [1970]. Lat 42°22'30" to 42°30', long 72°52'30" to 73°. Scale 1:24,000. 33½ by 38 inches. \$1.

- GQ-859. Geologic map of the Jiggs quadrangle, Elko County, Nev., by Ronald Willden and R. W. Kistler. 1969 [1970]. Lat 40°15' to 40°30', long 115°30' to 115°45'. Scale 1:62,500. 24 by 27 inches. \$1.
- GQ-861. Geologic map of the Parnell quadrangle, Wayne County, Ky., by R. Q. Lewis, Sr., and S. J. Luft. 1970. Lat 36°45' to 36°52'30", long 84°52'30" to 85°. Scale 1:24,000. Structure contour interval 20 feet. 30½ by 35 inches. \$1.
- GQ-862. Geologic map of the De Mossville quadrangle, north-central Kentucky, by S. J. Luft. 1970. Lat 38°45' to 38°52'30", long 84°22'30" to 84°30'. Scale 1:24,000. Structure-contour interval 20 feet. 29 by 33 inches. \$1.
- GQ-863. Geologic map of the Hayden Peak quadrangle, Pitkin and Gunnison Counties, Colo., by Bruce Bryant. 1970. Lat 39° to 39°07'30", long 106°45' to 106°52'30". Scale 1:24,000. 34 by 51 inches. \$1.
- GQ-864. Geologic map of the Heber quadrangle, Wasatch and Summit Counties, Utah, by C. S. Bromfield, A. A. Baker, and M. D. Crittenden, Jr. 1970. Lat 40°30' to 40°37'30", long 111°22'30" to 111°30'. Scale 1:24,000. 33 by 34 inches. \$1.
- GQ-865. Geologic map of the Fort Bayard quadrangle, Grant County, N. Mex., by W. R. Jones, S. L. Moore, and W. P. Pratt. 1970. Lat 32°45' to 32°52'30", long 108°07'30" to 108°15'. Scale 1:24,000. 32 by 33 inches. Accompanied by 4-page text. \$1.
- GQ-868. Geologic map of the Nolansburg quadrangle, southeastern Kentucky, by Béla Csejtey, Jr. 1970. Lat 36°52'30" to 37°, long 83°07'30" to 83°15'. Scale 1:24,000. Structure-contour interval 40 feet. 33 by 41 inches. \$1.
- GQ-869. Geologic map of the Villanueva quadrangle, San Miguel County, N. Mex., by R. B. Johnson. 1970. Lat 35°15' to 35°30', long 105°15' to 105°30'. Scale 1:62,500. Structure-contour interval 100 feet. 22 by 24 inches. \$1.
- GQ-870. Geologic map of the Summersville quadrangle, Green County, Ky., by S. L. Moore. 1970. Lat 37°15' to 37°22'30", long 85°30' to 85°37'30". Scale 1:24,000. Structure-contour interval 20 feet. 28 by 29 inches. \$1.
- GQ-871. Surficial geologic map of the Winsted quadrangle, Litchfield and Hartford Counties, Conn., by C. R. Warren. 1970. Lat 41°52'30" to 42°, long 73° to 73°07'30". Scale 1:24,000. 29 by 31 inches. Accompanied by 3-page text. \$1.
- GQ-873. Geologic map of the Blackford quadrangle, western Kentucky, by D. H. Amos. 1970. Lat 37°22'30" to 37°30', long 87°52'30" to 88°. Scale 1:24,000. Structure contours on base of No. 9 coal bed or base of Kinkaïd Limestone, interval 20 and 40 feet. 31 by 39 inches. \$1.
- GQ-876. Geologic map of the Hillsboro quadrangle, Fleming and Bath Counties, Ky., by J. W. Mytton and R. C. McDowell. 1970. Lat 38°15' to 38°22'30", long 83°37'30" to 83°45'. Scale 1:24,000. Structure-contour interval 20 feet. 29 by 35 inches. \$1.
- GQ-881. Surficial geologic map of the Milford quadrangle, Hillsborough County, N.H., by Carl Koteff. 1970. Lat 42°45' to 43°, long 71°30' to 71°45'. Scale 1:62,500. 30½ by 38½ inches. \$1.
- GQ-882. Geologic map of the Striped Hills quadrangle, Nye County, Nev., by K. A. Sargent, E. J. McKay, and B. C. Burchfiel. 1970. Lat 36°37'30" to 36°45', long 116°15' to 116°22'30". Scale 1:24,000. 33½ by 34 inches. \$1.

- GQ-883. Geologic map of the Lathrop Wells quadrangle, Nye County, Nev., by E. J. McKay and K. A. Sargent. 1970. Lat $36^{\circ}37'30''$ to $36^{\circ}45'$, long $116^{\circ}22'30''$ to $116^{\circ}30'$. Scale 1:24,000. 30 by 33 inches. \$1.
- GQ-886. Geologic map of the Mount Washington quadrangle, Bernalillo and Valencia Counties, N. Mex., by D. A. Myers and E. J. McKay. 1970. Lat $34^{\circ}52'30''$ to 35° , long $106^{\circ}22'30''$ to $106^{\circ}30'$. Scale 1:24,000. 29 by 33 inches. \$1.
- GQ-896. Surficial geologic map of the Woodbury quadrangle, Litchfield and New Haven Counties, Conn., by Fred Pessl, Jr. 1970. Lat $41^{\circ}30'$ to $41^{\circ}37'30''$, long $73^{\circ}07'30''$ to $73^{\circ}15'$. Scale 1:24,000. $32\frac{1}{2}$ by 44 inches. \$1.
- GQ-899. Geologic map of the McCarthy C-5 quadrangle, Alaska, by E. M. MacKevett, Jr. 1970. Lat $61^{\circ}30'$ to $61^{\circ}45'$, long $142^{\circ}30'$ to $142^{\circ}52'30''$. Scale 1:63,360. 34 by 41 inches. \$1.
- GQ-911. Geologic map of the Chatham quadrangle, Barnstable County, Cape Cod, Mass., by R. N. Oldale and Carl Koteff. 1970. Lat $41^{\circ}37'30''$ to $41^{\circ}45'$, long $69^{\circ}52'30''$ to 70° . Scale 1:24,000. 33 by 42 inches. \$1.

GEOPHYSICAL INVESTIGATIONS MAPS

[The following geophysical investigations maps, which are listed in "Publications of the Geographical Survey, 1879-1961" as being in print, are now out of print: 17, 122, 211, 248, and 250]

- GP-199. Radioactivity and geologic map of the Tordilla Hill-Deweeseville area, Karnes County, Tex., by J. A. MacKallor, R. M. Moxham, L. R. Tolozko, and Peter Popenoe. 1962 [1963]. Scale 1:6,000. 35 by 51½ inches. 50¢.
- GP-212. Geologic interpretation of the aeromagnetic map of the Lebanon quadrangle, Linn and Marion Counties, Oreg., by R. W. Bromery. 1962. Lat 44°30' to 44°45', long 122°45' to 123°. Scale 1:62,500. Contour interval 50 gammas. 22 by 24 inches. 50¢.
- GP-288. Aeromagnetic map of the Grand Lake Seboeis quadrangle, Aroostook and Penobscot Counties, Maine, by R. W. Bromery. 1962. Lat 46°15' to 46°30', long 68°30' to 68°45'. Scale 1:62,500. Contour intervals 10, 50, 100, and 200 gammas. 17½ by 23 inches. 50¢.
- GP-289. Aeromagnetic map of the Oxbow quadrangle, Aroostook and Penobscot Counties, Maine, by J. R. Balsley. 1962. Lat 46°15' to 46°30', long 68°15' to 68°30'. Scale 1:62,500. Contour intervals 10 and 50 gammas. 17½ by 23 inches. 50¢.
- GP-290. Aeromagnetic map of the Howe Brook quadrangle, Aroostook County, Maine, by J. R. Balsley. 1962. Lat 46°15' to 46°30', long 68° to 68°15'. Scale 1:62,500. Contour intervals 10 and 50 gammas. 17½ by 23 inches. 50¢.
- GP-291. Aeromagnetic map of the Bridgewater quadrangle, Aroostook County, Maine, by J. R. Henderson, Jr. 1962. Lat 46°15' to 46°30', long 67°45' to 68°. Scale 1:62,500. Contour intervals 10, 50, and 100 gammas. 17 by 22 inches. 50¢.
- GP-292. Aeromagnetic map of part of the Shin Pond quadrangle, Penobscot County, Maine, by R. W. Bromery. 1962. Lat 46° to 46°15', long 68°30' to 68°45'. Scale 1:62,500. Contour intervals 10, 50, and 200 gammas. 17½ by 23 inches. 50¢.
- GP-293. Aeromagnetic map of the Island Falls quadrangle, Aroostook and Penobscot Counties, Maine, by W. J. Dempsey. 1962. Lat 46° to 46°15', long 68°15' to 68°30'. Scale 1:62,500. Contour intervals 10 and 50 gammas. 17 by 22 inches. 50¢.
- GP-294. Aeromagnetic map of the Smyrna Mills quadrangle, Aroostook County, Maine, by W. J. Dempsey. 1962. Lat 46° to 46°15', long 68° to 68°15'. Scale 1:62,500. Contour intervals 10, 50, and 200 gammas. 17½ by 23 inches. 50¢.
- GP-295. Aeromagnetic map of the Houlton quadrangle, Aroostook County, Maine, by W. J. Dempsey. 1962. Lat 46° to 46°15', long 67°45' to 68°. Scale 1:62,500. Contour intervals 10, 50, and 200 gammas. 17½ by 23 inches. 50¢.
- GP-296. Aeromagnetic map of the Strafford quadrangle, Orange and Windsor Counties, Vt., by J. L. Meuschke, A. J. Petty, and F. P. Gilbert.

1962. Lat 43°45' to 44°, long 72°15' to 72°30'. Scale 1:62,500. Contour intervals 10 and 50 gammas. 18½ by 23 inches. 50¢.
- GP-297. Aeromagnetic map of the Mt. Cube quadrangle and part of the Rumney quadrangle, Grafton County, N.H., and Orange and Windsor Counties, Vt., by R. W. Bromery and F. P. Gilbert. 1962. Lat 43°45' to 44°, long 71°45' to 72°15'. Scale 1:62,500. Contour intervals 10 and 50 gammas. 22 by 32 inches. 50¢.
- GP-298. Aeromagnetic map of the Hanover quadrangle, Grafton and Sullivan Counties, N.H., and Windsor County, Vt., by J. L. Meuschke, A. J. Petty, and F. P. Gilbert. 1962. Lat 43°30' to 43°45', long 72°15' to 72°30'. Scale 1:62,500. Contour intervals 10 and 50 gammas. 19 by 22 inches. 50¢.
- GP-299. Aeromagnetic map of the Mascoma quadrangle and part of the Cardigan quadrangle, Grafton, Merrimack, and Sullivan Counties, N.H., and Windsor County, Vt., by J. L. Meuschke, A. J. Petty, and F. P. Gilbert. 1962. Lat 43°30' to 43°45', long 71°45' to 72°15'. Scale 1:62,500. Contour intervals 10 and 50 gammas. 22 by 31 inches. 50¢.
- GP-300. Aeromagnetic map of the Claremont quadrangle, Sullivan County, N.H., and Windsor County, Vt., by J. L. Meuschke, A. J. Petty, and F. P. Gilbert. 1962. Lat 43°15' to 43°30', long 72°15' to 72°30'. Scale 1:62,500. Contour intervals 10, 50, and 200 gammas. 19 by 22 inches. 50¢.
- GP-301. Aeromagnetic map of part of the Sunapee quadrangle, Merrimack and Sullivan Counties, N.H., by J. L. Meuschke, A. J. Petty, and F. P. Gilbert. 1962. Lat 43°15' to 43°30', long 72° to 72°15'. Scale 1:62,500. Contour interval 10 gammas. 18½ by 23 inches. 50¢.
- GP-302. Aeromagnetic map of the Bellows Falls quadrangle and part of the Lovewell Mountain quadrangle, Cheshire and Sullivan Counties, N.H., and Windham and Windsor Counties, Vt., by J. L. Meuschke, A. J. Petty, and F. P. Gilbert. 1962. Lat 43° to 43°15', long 72° to 72°30'. Scale 1:62,500. Contour interval 10 gammas. 22 by 32 inches. 50¢.
- GP-303. Aeromagnetic map of the Keene quadrangle and parts of the Brattleboro and Monadnock quadrangles, Cheshire County, N.H., and Windham County, Vt., by J. L. Meuschke, A. J. Petty, and W. E. McCaslin. 1962. Lat 42°45' to 43°, long 72° to 72°45'. Scale 1:62,500. Contour intervals 10 and 50 gammas. 22 by 45 inches. 50¢.
- GP-304. Aeromagnetic map of the Deadwood area, Black Hills, S. Dak., by J. L. Meuschke, P. W. Philbin, and F. A. Petrafeso. 1962. Scale 1:48,000. Contour intervals 20, 100, and 500 gammas. 32 by 39 inches. 50¢.
- GP-305. Complete Bouguer anomaly map of the Death Valley region, California, by D. R. Mabey. 1963. Lat 35°30' to 37°, long 116°15' to 118°. Scale 1:250,000. 28 by 42 inches. 50¢.
- GP-308. Natural gamma aeroradioactivity of the Oak Ridge National Laboratory area, Tennessee and Kentucky, by R. G. Bates. 1962. Scale 1:250,000. 31 by 47 inches. 50¢.
- GP-309. Natural gamma aeroradioactivity of parts of the Los Angeles region, California, by K. G. Books. 1962. Scale 1:250,000. 31 by 34 inches. 50¢.
- GP-310. Aeromagnetic map of the Skinner and parts of the Attean and Sandy Bay quadrangles, Somerset and Franklin Counties, Maine, by R. W. Bromery and F. P. Gilbert. 1962. Lat 45°30' to 46°, long 70°15' to

70°45'. Scale 1:62,500. Contour intervals 10 and 50 gammas. 27 by 40 inches. 50¢.

- GP-311. Aeromagnetic interpretation of the geology of the Greenwood Lake and Slootsburg quadrangles, New York and New Jersey, by Anna Jespersen and Andrew Griscom. 1963. Lat 41°07'30" to 41°15', long 74°07'30" to 74°22'30". Scale 1:31,680. Contour intervals 50 and 250 gammas. 28 by 44 inches. 75¢.
- GP-312. Geologic and aeromagnetic map of northern Maine, by A. J. Boucot, Andrew Griscom, and J. W. Allingham. 1964. Lat 45° to 47°, long 68° to 71°15'. Scale 1:250,000. Magnetic-contour intervals 20, 50, and 100 gammas. 40 by 42½ inches. Accompanied by 7-page text. 75¢.
- GP-313. Aeromagnetic map of the Phoenix quadrangle, Keweenaw County, Mich., by J. R. Balsley, J. L. Meuschke, and Jean Blanchett. 1963. Lat 47°22'30" to 47°30', long 88°15' to 88°22'30". Scale 1:24,000. Contour intervals 100 and 500 gammas. 22 by 28 inches. Printed on transparent paper for use as an overlay on Geological Survey Map GQ-34. 50¢.
- GP-314. Aeromagnetic map of the Eagle Harbor quadrangle, Keweenaw County, Mich., by J. R. Balsley, J. L. Meuschke, and Jean Blanchett. 1962. Lat 47°22'30" to 47°30', long 88°07'30" to 88°15'. Scale 1:24,000. Contour interval 100 gammas. 21 by 28 inches. 50¢.
- GP-315. Aeromagnetic map of the Delaware quadrangle, Keweenaw County, Mich., by J. R. Balsley, J. L. Meuschke, and Jean Blanchett. 1963. Lat 47°22'30" to 47°30', long 88° to 88°07'30". Scale 1:24,000. Contour interval 100 gammas. 22 by 28 inches. Printed on transparent paper for use as an overlay on Geological Survey Map GQ-51. 50¢.
- GP-316. Aeromagnetic map of the Lake Medora quadrangle, Keweenaw County, Mich., by J. R. Balsley, J. L. Meuschke, and Jean Blanchett. 1963. Lat 47°22'30" to 47°30', long 87°52'30" to 88°. Scale 1:24,000. Contour interval 100 gammas. 22 by 28 inches. Printed on transparent paper for use as an overlay on Geological Survey Map GQ-52. 50¢.
- GP-317. Aeromagnetic map of the Fort Wilkins quadrangle, Keweenaw County, Mich., by J. R. Balsley, J. L. Meuschke, and Jean Blanchett. 1963. Lat 47°22'30" to 47°30', long 87°45' to 87°52'30". Scale 1:24,000. Contour interval 100 gammas. 22 by 28 inches. Printed on transparent paper for use as an overlay on Geological Survey Map GQ-74. 50¢.
- GP-318. Aeromagnetic map of the Ahmeek quadrangle, Keweenaw and Houghton Counties, Mich., by J. R. Balsley, J. L. Meuschke, and Jean Blanchett. 1963. Lat 47°15' to 47°22'30", long 88°22'30" to 88°30'. Scale 1:24,000. Contour interval 100 gammas. 22 by 27 inches. Printed on transparent paper for use as an overlay on Geological Survey Map GQ-27. 50¢.
- GP-319. Aeromagnetic map of the Mohawk quadrangle, Keweenaw and Houghton Counties, Mich., by J. R. Balsley, J. L. Meuschke, and Jean Blanchett. 1963. Lat 47°15' to 47°22'30", long 88°15' to 88°22'30". Scale 1:24,000. Contour interval 100 gammas. 22 by 27 inches. Printed on transparent paper for use as an overlay on Geological Survey Map GQ-54. 50¢.
- GP-320. Aeromagnetic map of the Bruneau Creek quadrangle, Keweenaw County, Mich., by J. R. Balsley, J. L. Meuschke, and Jean Blanchett. 1963. Lat 47°15' to 47°22'30", long 88°07'30" to 88°15'. Scale 1:24,000.

- Contour interval 100 gammas. 22 by 28 inches. Printed on transparent paper for use as an overlay on Geological Survey Map GQ-35. 50¢.
- GP-321. Aeromagnetic map of the Hancock quadrangle, Houghton County, Mich., by J. R. Balsley, J. L. Meuschke, and Jean Blanchett. 1963. Lat 47°07'30" to 47°15', long 88°30' to 88°37'30". Scale 1:24,000. Contour interval 100 gammas. 22 by 28 inches. Printed on transparent paper for use as an overlay on Geological Survey Map MF-46. 50¢.
- GP-322. Aeromagnetic map of the Laurium quadrangle, Houghton County, Mich., by J. R. Balsley, J. L. Meuschke, and Jean Blanchett. 1963. Lat 47°07'30" to 47°15', long 88°22'30" to 88°30'. Scale 1:24,000. Contour interval 100 gammas. 22 by 28 inches. Printed on transparent paper for use as an overlay on Geological Survey Map MF-47. 50¢.
- GP-323. Aeromagnetic map of the South Range quadrangle, Houghton County, Mich., by J. R. Balsley, J. L. Meuschke, and Jean Blanchett. 1963. Lat 47° to 47°07'30", long 88°37'30" to 88°45'. Scale 1:24,000. Contour interval 100 gammas. 22 by 28 inches. Printed on transparent paper for use as an overlay on Geological Survey Map MF-48. 50¢.
- GP-324. Aeromagnetic map of the Chassell quadrangle, Houghton County, Mich., by J. R. Balsley, J. L. Meuschke, and Jean Blanchett. 1963. Lat 47° to 47°07'30", long 88°30' to 88°37'30". Scale 1:24,000. Contour interval 100 gammas. 22 by 28 inches. Printed on transparent paper for use as an overlay on Geological Survey Map MF-43. 50¢.
- GP-325. Aeromagnetic map of Norman and part of Mahnomen Counties, Minn., by L. A. Anderson, G. L. Zandle, and others. 1962. Scale 1:63,360. Contour intervals 50, 250, and 500 gammas. 29 by 50 inches. 50¢.
- GP-326. Aeromagnetic map of parts of Clay and Becker Counties, Minn., by L. A. Anderson, G. L. Zandle, and others. 1963. Lat about 46°44' to 47°08', long about 95°55' to 96°07'. Scale 1:63,360. Contour intervals 50, 250, and 500 gammas. 36 by 50 inches. 50¢.
- GP-327. Aeromagnetic map of parts of Clay, Wilkins, and Otter Tail Counties, Minn., by L. A. Anderson, Frank Petrafeso, and others. 1962 [1963]. Scale 1:63,360. Contour intervals 50, 250, and 1,000 gammas. 35 by 48 inches. 50¢.
- GP-328. Aeromagnetic map of parts of Wilkin, Otter Tail, Grant, and Traverse Counties, Minn., by L. A. Anderson, Daniel Hawkins, and others. 1963. Lat about 95°55' to 96°35', long about 45°45' to 46°16'30". Scale 1:63,360. Contour intervals 50, 250, 1,000 and 2,000 gammas. 42 by 42 inches. 50¢.
- GP-329. Aeromagnetic map of Long Valley and Northern Owens Valley, Calif., by J. R. Henderson, B. L. White, and others. 1963. Lat 37°20' to 37°45', long 118°15' to 118°45'. Scale 1:62,500. Contour intervals 10 and 50 gammas. 33 by 44 inches. 50¢.
- GP-330. Aeromagnetic map of the Chain Lakes quadrangle, Franklin and Somerset Counties, Maine, by J. R. Henderson, F. P. Gilbert, and others. 1963. Lat 45°15' to 45°30', long 70°30' to 70°45'. Scale 1:62,500. Contour intervals 10 and 50 gammas. 18 by 22 inches. 50¢.
- GP-331. Aeromagnetic map of the Spencer Lake quadrangle, Franklin and Somerset Counties, Maine, by R. W. Bromery, Harry Soday, and others. 1963. Lat 45°15' to 45°30', long 70°15' to 70°30'. Scale 1:62,500. Contour intervals 10, 50, and 100 gammas. 18 by 23 inches. 50¢.
- GP-332. Aeromagnetic map of the Kennebago Lake quadrangle, Franklin

- County, Maine, by J. R. Henderson, F. P. Gilbert, and others. 1963. Lat 45° to 45°15', long 70°30' to 70°45'. Scale 1:62,500. Contour intervals 10 and 50 gammas. 18 by 23 inches. 50¢.
- GP-333. Aeromagnetic map of the Stratton quadrangle, Franklin and Somerset Counties, Maine, by R. W. Bromery, N. S. Tyson, and others. 1963. Lat 45° to 45°15', long 70°15' to 70°30'. Scale 1:62,500. Contour intervals 10 and 50 gammas. 18 by 22 inches. 50¢.
- GP-334. Aeromagnetic map of the Moosehead Lake quadrangle and part of the First Roach Pond quadrangle, Piscataquis and Somerset Counties, Maine, by J. R. Henderson, C. W. Smith, and others. 1963. Lat 45°30' to 45°45', long 69°25' to 69°45'. Scale 1:62,500. Contour intervals 10, 50, and 100 gammas. 23 by 23 inches. 50¢.
- GP-335. Aeromagnetic map of the Greenville quadrangle and part of the Sebec Lake quadrangle, Piscataquis and Somerset Counties, Maine, by R. W. Bromery, J. L. Vargo, and others. 1963. Lat 45°15' to 45°30', long 69°15' to 69°25'. Scale 1:62,500. Contour intervals 10 and 50 gammas. 23 by 23 inches. 50¢.
- GP-336. Aeromagnetic map of the Stacyville quadrangle and part of the Katahdin quadrangle, Penobscot and Piscataquis Counties, Maine, by R. W. Bromery, Carl Long, and others. 1963. Lat 45°45' to 46° long 68°30' to 68°52'30". Scale 1:62,500. Contour intervals 20 and 100 gammas. 22 by 23½ inches. 50¢.
- GP-337. Aeromagnetic map of part of the Cornwall quadrangle, Orange County, N.Y., by G. E. Andreasen, F. C. Smith, and others. 1962. Lat 41°22'30" to 41°30', long 74° to 74°07'30". Scale 1:31,680. Contour interval 50 gammas. 19 by 22 inches. 50¢.
- GP-338. Aeromagnetic map of the West Point quadrangle, Orange, Dutchess, and Putnam Counties, N.Y., by G. E. Andreasen, F. C. Smith, and others. 1962. Lat 41°22'30" to 41°30', long 73°52'30" to 74°. Scale 1:31,680. Contour intervals 50 and 250 gammas. 19 by 22 inches. 50¢.
- GP-339. Aeromagnetic map of parts of the Monroe and M. vbrook quadrangles, Orange County, N.Y., by J. R. Henderson, F. C. Smith, and others. 1962. Lat 41°15' to 41°25', long 74°07'30" to 74°15'. Scale 1:31,680. Contour intervals 50 and 250 gammas. 19 by 27 inches. 50¢.
- GP-340. Aeromagnetic map of the Popolopen Lake quadrangle, Orange and Rockland Counties, N.Y., by G. E. Andreasen, F. C. Smith, and others. 1962. Lat 41°15' to 41°22'30", long 74° to 74°07'30". Scale 1:31,680. Contour intervals 50 and 250 gammas. 19 by 22 inches. 50¢.
- GP-341. Aeromagnetic map of the Peekskill quadrangle, Rockland, Orange, Putnam, and Westchester Counties, N.Y., by G. E. Andreasen, J. L. Vargo, and others. 1962. Lat 41°15' to 41°22'30", long 73°52'30" to 74°. Scale 1:31,680. Contour intervals 50 and 250 gammas. 19 by 22 inches. 50¢.
- GP-342. Aeromagnetic map of the Thiells quadrangle, Rockland and Orange Counties, N.Y., by G. E. Andreasen, J. L. Vargo, and others. 1962. Lat 41°07'30" to 41°15', long 74° to 74°07'30". Scale 1:31,680. Contour intervals 50 and 250 gammas. 19 by 22 inches. 50¢.
- GP-343. Aeromagnetic map of part of the Haverstraw quadrangle, Rockland and Westchester Counties, N.Y., by G. E. Andreasen, J. L. Vargo, and others. 1962. Lat 41°07'30" to 41°15', long 73°52'30" to 74°. Scale 1:31,680. Contour intervals 50 and 250 gammas. 19 by 22 inches. 50¢.

- GP-344. Aeromagnetic map of the Ramsey quadrangle, Passaic and Bergen Counties, N.J., and Rockland County, N.Y., by J. R. Henderson, E. J. Chandler, and others. 1962. Lat 41° to $41^{\circ}07'30''$, long $74^{\circ}07'30''$ to $74^{\circ}15'$. Scale 1:31,680. Contour intervals 50 and 250 gammas. 19 by 22 inches. 50¢.
- GP-345. Aeromagnetic map of parts of the Paterson and Orange quadrangles, Essex, Passaic, and Bergen Counties, N.J., by J. R. Henderson, E. J. Chandler, and others. 1963. Lat $40^{\circ}47'30''$ to 41° , long $74^{\circ}07'30''$ to $74^{\circ}15'$. Scale 1:31,680. Contour interval 50 gammas. 19 by 34 inches. 50¢.
- GP-346. Aeromagnetic map of parts of the Tranquility and Stanhope quadrangles, Warren, Sussex, and Morris Counties, N.J., by G. E. Andreasen, J. R. Henderson, E. J. Chandler, and others. 1963. Lat $40^{\circ}52'30''$ to 41° , long $74^{\circ}43'40''$ to $74^{\circ}52'30''$. Scale 1:31,680. Contour intervals 50 and 250 gammas. 22 by 22 inches. 50¢.
- GP-347. Aeromagnetic map of the Washington quadrangle and part of the Blairstown quadrangle, Warren, Hunterdon, and Morris Counties, N.J., by G. E. Andreasen, E. J. Chandler, and others. 1963. Lat $40^{\circ}45'$ to $40^{\circ}52'30''$, long $74^{\circ}52'30''$ to 75° . Scale 1:31,680. Contour intervals 50 and 250 gammas. 19 by 34 inches. 50¢.
- GP-348. Aeromagnetic map of the Hackettstown quadrangle and part of the Chester quadrangle, Hunterdon, Morris, and Warren Counties, N.J., by G. E. Andreasen, J. R. Henderson, E. J. Chandler, and others. 1963. Lat $40^{\circ}45'$ to $40^{\circ}52'30''$, long $74^{\circ}43'40''$ to $74^{\circ}52'30''$. Scale 1:31,680. Contour intervals 50 and 250 gammas. 21 by 22 inches. 50¢.
- GP-349. Aeromagnetic map of the High Bridge quadrangle, Warren and Hunterdon Counties, N.J., by G. E. Andreasen, E. J. Chandler, and others. 1963. Lat $40^{\circ}37'30''$ to $40^{\circ}45'$, long $74^{\circ}52'30''$ to 75° . Scale 1:31,680. Contour intervals 50 and 250 gammas. 19 by 22 inches. 50¢.
- GP-350. Aeromagnetic map of the Califon quadrangle and part of the Gladstone quadrangle, Hunterdon and Morris Counties, N.J., by G. E. Andreasen, J. R. Henderson, E. J. Chandler, and others. 1963. Lat $40^{\circ}37'30''$ to $40^{\circ}45'$, long $74^{\circ}43'40''$ to $74^{\circ}52'30''$. Scale 1:31,680. Contour intervals 50 and 250 gammas. 21 by 22 inches. 50¢.
- GP-351. Natural gamma aeroradioactivity of the Georgia Nuclear Laboratory areas, Georgia, by J. A. MacKallor. 1963. Lat $33^{\circ}30'$ to 35° , long 83° to 85° . Scale 1:250,000. $33\frac{1}{2}$ by $55\frac{1}{2}$ inches. 50¢.
- GP-352. Aeromagnetic map of part of the Dillingham quadrangle, Alaska, by J. R. Henderson, J. L. Vargo, and others. 1963. Lat 59° to $59^{\circ}30'$, long 156° to $158^{\circ}30'$. Scale 1:125,000. Contour intervals 50 and 250 gammas. 21 by 47 inches. 50¢.
- GP-353. Aeromagnetic map of part of the Naknek quadrangle, Alaska, by G. E. Andreasen, W. J. Dempsey, J. L. Vargo, and others. 1963. Lat 58° to 59° , long $156^{\circ}15'$ to $157^{\circ}30'$. Scale 1:125,000. Contour interval 50 gammas. 29 by 40 inches. 50¢.
- GP-354. Aeromagnetic map of parts of the Ugashik and Karluk quadrangles, Alaska, by G. E. Andreasen, W. J. Dempsey, J. L. Vargo, and others. 1963. Lat $57^{\circ}20'$ to 58° , long 156° to $157^{\circ}30'$. Scale 1:125,000. Contour interval 50 gammas. 32 by $34\frac{1}{2}$ inches. 50¢.
- GP-355. Aeromagnetic map of parts of southern Colfax, northern Mora, and western Harding Counties, N. Mex., by W. J. Dempsey, Ernest Page,

- and others. 1963. Lat 36° to $36^{\circ}30'$, long $104^{\circ}15'$ to 105° . Scale 1:250,000. Contour intervals 10 and 50 gammas. 40 by 48 inches. 50¢.
- GP-356. Aeromagnetic map of parts of southern Mora, northern San Miguel, and western Harding Counties, N. Mex., by W. J. Dempsey, Carl Long, and others. 1963. Lat $35^{\circ}45'$ to 36° , long $104^{\circ}15'$ to $105^{\circ}05'$. Scale 1:250,000. Contour intervals 10, 50, and 100 gammas. 23 by 54 inches. 50¢.
- GP-357. Aeromagnetic map of the central part of San Miguel County, N. Mex., by W. J. Dempsey, F. A. Petrafeso, and others. 1963. Lat $35^{\circ}15'$ to $35^{\circ}45'$, long $104^{\circ}45'$ to $105^{\circ}15'$. Scale 1:62,500. Contour intervals 10 and 50 gammas. 34 by 40 inches. 50¢.
- GP-358. Aeroradioactivity map of parts of east-central New York and west-central New England, by Peter Popenoe. 1964. Lat about 42° to $43^{\circ}30'$, long about $71^{\circ}30'$ to $74^{\circ}30'$. Scale 1:250,000. $40\frac{1}{2}$ by 54 inches. 75¢.
- GP-359. Aeroradioactivity and generalized geologic maps of parts of New York, Connecticut, Rhode Island, and Massachusetts, by Peter Popenoe. 1966. Lat $40^{\circ}30'$ to 42° , long about $71^{\circ}10'$ to 74° . Scale of aeroradioactivity map 1:250,000. 39 by 53 inches. 75¢.
- GP-360. Aeromagnetic map of the northern part of Lake County, Minn., by J. L. Meuschke, N. S. Tyson, and others. 1963. Lat about $47^{\circ}43'$ to $48^{\circ}12'$, long about 91° to $91^{\circ}50'$. Scale 1:63,360. Contour intervals 100, 500, 1,000, 2,000 and 10,000 gammas. 39 by 40 inches. 50¢.
- GP-361. Aeromagnetic map of the northwestern part of Cook County, Minn., by L. A. Anderson, N. S. Tyson, and others. 1963. Lat about $90^{\circ}25'$ to $91^{\circ}12'30''$, long about $47^{\circ}52'$ to $48^{\circ}15'$. Scale 1:63,360. Contour intervals 100, 500, and 1,000 gammas. 21 by 32 inches. 50¢.
- GP-362. Aeromagnetic map of the southwestern part of Custer County, S. Dak., by J. L. Meuschke, R. W. Johnson, and J. R. Kirby. 1963. Lat $43^{\circ}30'$ to $43^{\circ}37'30''$, long $103^{\circ}17'30''$ to 104° . Scale 1:62,500. Contour intervals 20 and 100 gammas. 17 by 40 inches. 50¢.
- GP-363. Aeromagnetic map of the Wilmington, Delaware, area and adjacent parts of Pennsylvania and Maryland, by J. R. Henderson, R. W. Johnson, and F. P. Gilbert. 1963. Lat $39^{\circ}35'$ to 40° , long $75^{\circ}20'$ to $75^{\circ}55'$. Scale 1:62,500. Contour intervals 50 and 250 gammas. 34 by 37 inches. 50¢.
- GP-364. Aeromagnetic map of the Brewster quadrangle, Fairfield County, Conn., and Putnam County, N.Y., by Peter Popenoe, R. W. Bromery, and J. R. Kirby. 1962 [1963]. Lat $41^{\circ}22'30''$ to $41^{\circ}30''$, long $73^{\circ}30'$ to $73^{\circ}37'30''$. Scale 1:24,000. Contour intervals 20, 100, and 500 gammas. 24 by 28 inches. 50¢.
- GP-365. Aeromagnetic map of the Danbury quadrangle, Fairfield and Litchfield Counties, Conn., by Peter Popenoe, R. W. Bromery, and J. R. Kirby. 1962 [1963]. Lat $41^{\circ}22'30''$ to $41^{\circ}30'$, long $73^{\circ}22'30''$ to $73^{\circ}30''$. Scale 1:24,000. Contour intervals 20 and 100 gammas. 24 by 28 inches. 50¢.
- GP-366. Aeromagnetic map of the Newtown quadrangle, Fairfield, Litchfield, and New Haven Counties, Conn., by Peter Popenoe, R. W. Bromery, and J. R. Kirby. 1962 [1963]. Lat $41^{\circ}22'30''$ to $41^{\circ}30'$, long $73^{\circ}15'$ to $73^{\circ}22'30''$. Scale 1:24,000. Contour intervals 20 and 100 gammas. 24 by 28 inches. 50¢.
- GP-367. Aeromagnetic map of the Peach Lake quadrangle, Fairfield County,

- Conn., and Putnam and Westchester Counties, N.Y., by Peter Popenoe, G. E. Andreasen, and J. R. Kirby. 1962 [1963]. Lat 41°15' to 41°22'30", long 73°30' to 73°37'30". Scale 1:24,000. Contour intervals 20 and 100 gammas. 24 by 28 inches. 50¢.
- GP-368. Aeromagnetic map of the Bethel quadrangle, Fairfield County, Conn., by Peter Popenoe, G. E. Andreasen, and J. R. Kirby. 1962 [1963]. Lat 41°15' to 44°22'30", long 73°22'30" to 73°30'. Scale 1:24,000. Contour intervals 20 and 100 gammas. 24 by 28 inches. 50¢.
- GP-369. Aeromagnetic map of the Botsford quadrangle, Fairfield County, Conn., by Peter Popenoe, G. E. Andreasen, and J. R. Kirby. 1962 [1963]. Lat 41°15' to 41°22'30", long 73°15' to 73°22'30". Scale 1:24,000. Contour interval 20 gammas. 24 by 28 inches. 50¢.
- GP-370. Aeromagnetic prospecting for bauxite deposits in the Mississippi embayment, Arkansas and Missouri, by Anna Jespersen. 1964. Lat 35°15' to 36°, long 91°15' to 91°45'. Scale 1:125,000. Magnetic-contour interval 10 gammas. 33 by 42 inches. 50¢.
- GP-371. Aeromagnetic map of part of the Fish River Lake quadrangle, Aroostook County, Maine, by L. A. Anderson, N. W. Natof, and others. 1963. Lat 46°45' to 46°55', long 68°45' to 69°. Scale 1:62,500. Contour intervals 10, 50, and 100 gammas. 18 by 18 inches. 50¢.
- GP-372. Aeromagnetic map of part of the Winterville quadrangle, Aroostook County, Maine, by L. A. Anderson, N. W. Natof, and others. 1963. Lat 46°45' to 47°, long 68°30' to 68°45'. Scale 1:62,500. Contour intervals 10, 50, and 100 gammas. 19 by 23 inches. 50¢.
- GP-373. Aeromagnetic map of part of the Mooseleuk Lake quadrangle, Aroostook and Piscataquis Counties, Maine, by L. A. Anderson, N. W. Natof, and others. 1963. Lat 46°30' to 46°45', long 68°45' to 69°. Scale 1:62,500. Contour intervals 10, 50, and 100 gammas. 18 by 22 inches. 50¢.
- GP-374. Aeromagnetic map of part of the Greenlaw quadrangle, Aroostook County, Maine, by L. A. Anderson, N. W. Natof, and others. 1963. Lat 46°30' to 46°45', long 68°30' to 68°45'. Scale 1:62,500. Contour intervals 10, 50, and 100 gammas. 19 by 23 inches. 50¢.
- GP-375. Aeromagnetic map of part of the Churchill Lake quadrangle, Piscataquis County, Maine, by R. W. Bromery, E. F. McGowan, and others. 1963. Lat 46°15' to 46°30', long 69°15' to 69°30'. Scale 1:62,500. Contour intervals 10 and 50 gammas. 18 by 22 inches. 50¢.
- GP-376. Aeromagnetic map of the Spider Lake quadrangle and part of Musquacook Lakes quadrangle, Piscataquis and Aroostook Counties, Maine, by L. A. Anderson, R. W. Bromery, and N. S. Tyson. 1963. Lat 46°15' to 46°40', long 69° to 69°15'. Scale 1:62,500. Contour intervals 10, 50, and 100 gammas. 18 by 34 inches. 50¢.
- GP-377. Aeromagnetic map of the Millinocket Lake quadrangle, Aroostook, Piscataquis, and Penobscot Counties, Maine, by L. A. Anderson, R. W. Bromery, and E. F. McGowan. 1963. Lat 46°15' to 46°30', long 68°45' to 69°. Scale 1:62,500. Contour intervals 10, 50, and 100 gammas. 19 by 23 inches. 50¢.
- GP-378. Aeromagnetic map of part of the Caucomgomoc Lake quadrangle, Somerset and Piscataquis Counties, Maine, by R. W. Bromery, N. S. Tyson, and others. 1963. Lat 46° to 46°15', long 69°30' to 69°45'. Scale 1:62,500. Contour intervals 10 and 50 gammas. 18 by 22 inches. 50¢.

- GP-379. Aeromagnetic map of the Chesuncook quadrangle, Piscataquis County, Maine, by R. W. Bromery, E. F. McGowan, and others. 1963. Lat 46° to 46°15', long 69°15' to 69°30'. Scale 1:62,500. Contour intervals 10 and 50 gammas. 18 by 22 inches. 50¢.
- GP-380. Aeromagnetic map of the Telos Lake quadrangle, Piscataquis County, Maine, by R. W. Bromery, E. F. McGowan, and others. 1963. Lat 46° to 46°15', long 69° to 69°15'. Scale 1:62,500. Contour intervals 10 and 50 gammas. 18 by 22 inches. 50¢.
- GP-381. Aeromagnetic map of part of the Traveler Mountain quadrangle, Piscataquis and Penobscot Counties, Maine, by R. W. Bromery, N. S. Tyson, and others. 1963. Lat 46° to 46°15', long 68°45' to 69°. Scale 1:62,500. Contour intervals 10, 50, and 100 gammas. 19 by 23 inches. 50¢.
- GP-382. Aeromagnetic map of the Yantic quadrangle, Blaine and Hill Counties, Mont., by R. W. Johnson, Jr., E. R. King, and C. L. Long. 1963. Lat 48°30' to 48°45', long 109°15' to 109°30'. Scale 1:31,680. Contour interval 20 gammas. 29½ by 40 inches. 50¢.
- GP-383. Aeromagnetic map of the Chinook quadrangle, Blaine County, Mont., by R. W. Johnson, Jr., E. R. King, and D. R. Hawkins. 1963. Lat 48°30' to 48°45', long 109° to 109°15'. Scale 1:31,680. Contour interval 20 gammas. 30 by 39½ inches. 50¢.
- GP-384. Aeromagnetic map of part of the Lloyd quadrangle, Blaine and Hill Counties, Mont., by R. W. Johnson, Jr., E. R. King, and F. A. Petrafeso. 1963. Lat 48°15' to 48°30', long 109°15' to 109°30'. Scale 1:31,680. Contour intervals 20 and 100 gammas. 30 by 39½ inches. 50¢.
- GP-385. Aeromagnetic map of part of the Cleveland quadrangle, Blaine County, Mont., by R. W. Johnson, Jr., E. R. King, and E. E. Page. 1963. Lat 48°15' to 48°30', long 109° to 109°15'. Scale 1:31,680. Contour intervals 20, 100, and 200 gammas. 30 by 39½ inches. 50¢.
- GP-386. Aeromagnetic map of the Lahore quadrangle, Louisa, Spotsylvania, and Orange Counties, Va., by R. W. Bromery, G. A. Galat, and F. P. Gilbert. 1963. Lat 38°07'30" to 38°15', long 77°52'30" to 78°. Scale 1:24,000. Contour intervals 50 and 250 gammas. 24 by 28 inches. 50¢.
- GP-387. Aeromagnetic map of the Belmont quadrangle, Orange and Spotsylvania Counties, Va., by R. W. Bromery, G. A. Galat, and F. P. Gilbert. 1963. Lat 38°07'30" to 38°15', long 77°45' to 77°52'30". Scale 1:24,000. Contour interval 50 gammas. 24 by 28 inches. 50¢.
- GP-388. Aeromagnetic map of the Mineral quadrangle, Louisa, Spotsylvania, and Orange Counties, Va., by R. W. Bromery, G. A. Galat, and F. P. Gilbert. 1963. Lat 38° to 38°07'30", long 77°52'30" to 78°. Scale 1:24,000. Contour interval 50 gammas. 24 by 28 inches. 50¢.
- GP-389. Aeromagnetic map of the Contrary Creek quadrangle, Louisa and Spotsylvania Counties, Va., by R. W. Bromery, G. A. Galat, and F. P. Gilbert. 1963. Lat 38° to 38°07'30", long 77°45' to 77°52'30". Scale 1:24,000. Contour interval 50 gammas. 24 by 28 inches. 50¢.
- GP-390. Aeromagnetic map of the Joplin quadrangle, Prince William and Stafford Counties, Va., by R. W. Bromery, G. A. Galat, and E. J. Chandler. 1963. Lat 38°30' to 38°37'30", long 77°22'30" to 77°30'. Scale 1:24,000. Contour intervals 20 and 100 gammas. 24 by 28 inches. 50¢.
- GP-391. Aeromagnetic map of the Quantico quadrangle, Prince William and Stafford Counties, Va., by R. W. Bromery, G. A. Galat, and E. J.

- Chandler. 1963. Lat $38^{\circ}30'$ to $38^{\circ}37'30''$, long $77^{\circ}15'$ to $77^{\circ}22'30''$. Scale 1:24,000. Contour intervals 20 and 100 gammas. 24 by 28 inches. 50¢.
- GP-392. Gravity and aeromagnetic maps of the Ely area, White Pine County, Nev., by J. E. Carlson and D. R. Mabey. 1963. Map A, Bouguer gravity anomaly map; lat 39° to $39^{\circ}30'$, long $114^{\circ}30'$ to $115^{\circ}30'$; scale 1:250,000; contour interval 10 gammas; 9 by 14 inches. Map B, total intensity aeromagnetic map; lat 39° to $39^{\circ}30'$, long $114^{\circ}45'$ to $115^{\circ}15'$; scale 1:250,000; contour interval 5 mgals; 7 by 9 inches. Both maps are on one sheet. 50¢.
- *GP-393. Aeromagnetic map of south central Fremont County, Wyo., by W. J. Dempsey, D. J. Stuart, and others. 1962. Lat $42^{\circ}30'$ to 43° , long $107^{\circ}45'$ to $108^{\circ}30'$. Scale 1:125,000. Contour intervals 10 and 50 gammas. 22 by 28 inches.
- GP-394. Aeromagnetic map of the Germantown and part of the Poolesville quadrangles, Montgomery and Frederick Counties, Md., by Jean Blanchett, N. S. Tyson, and E. F. McGowan. 1963. Lat $39^{\circ}07'30''$ to $39^{\circ}15'$, long $77^{\circ}15'$ to $77^{\circ}25''$. Scale 1:24,000. Contour interval 50 gammas. 28 by 30 inches. 50¢.
- GP-395. Aeromagnetic map of the Gaithersburg and part of the Sandy Spring quadrangles, Montgomery County, Md., by Jean Blanchett, N. S. Tyson, and E. F. McGowan. 1963. Lat $39^{\circ}07'30''$ to $39^{\circ}15'$, long $77^{\circ}05'$ to $77^{\circ}15'$. Scale 1:24,000. Contour intervals 50 and 250 gammas. 28 by 30 inches. 50¢.
- GP-396. Aeromagnetic map of the Seneca and part of the Sterling quadrangles, Montgomery County, Md., and Loudoun and Fairfax Counties, Va., by Jean Blanchett, N. S. Tyson, and E. F. McGowan. 1963. Lat 39° to $39^{\circ}07'30''$, long $77^{\circ}15'$ to $77^{\circ}25'$. Scale 1:24,000. Contour interval 50 gammas. 28 by 30 inches. 50¢.
- GP-397. Aeromagnetic map of the Rockville quadrangle, Montgomery County, Md., and Fairfax County, Va., by Jean Blanchett, N. S. Tyson, and E. F. McGowan. 1963. Lat 39° to $39^{\circ}07'30''$, long $77^{\circ}07'30''$ to $77^{\circ}15'$. Scale 1:24,000. Contour intervals 50 and 250 gammas. 24 by 27 inches. 50¢.
- GP-398. Aeromagnetic map of the Kensington quadrangle, Montgomery County, Md., by R. W. Bromery, F. P. Gilbert, and others. 1963. Lat 39° to $39^{\circ}07'30''$, long 77° to $77^{\circ}07'30''$. Scale 1:24,000. Contour interval 50 gammas. 24 by 28 inches. 50¢.
- GP-399. Aeromagnetic map of the Beltsville quadrangle, Montgomery and Prince Georges Counties, Md., by R. W. Bromery, F. P. Gilbert, and others. 1963. Lat 39° to $39^{\circ}07'30''$, long $76^{\circ}52'30''$ to 77° . Scale 1:24,000. Contour interval 50 gammas, 24 by 28 inches. 50¢.
- GP-400. Aeromagnetic map of the northeastern part of the Wind River Indian Reservation, Wyo., by W. J. Dempsey, D. J. Stuart, and others. 1963. Lat $43^{\circ}15'$ to $43^{\circ}30'$, long $108^{\circ}15'$ to $108^{\circ}30'$. Scale 1:62,500. Contour interval 10 gammas. 20 by 24 inches. 50¢.
- GP-401. Aeromagnetic map of the Wausau area, Wisconsin, by J. R. Henderson, N. S. Tyson, and J. R. Page. 1963. Lat $44^{\circ}50'$ to $45^{\circ}05'$, long $89^{\circ}27'30''$ to $89^{\circ}52'30''$. Scale 1:48,000. Contour intervals 50 and 250 gammas. 28 by 33 inches. 75¢.
- *GP-402. Aeromagnetic map of central Yavapai County, Ariz., including the Jerome mining district, by W. J. Dempsey, M. E. Hill, and others. 1963.

- Lat 34°22'30" to 34°50', long 112° to 112°30'. Scale 1:62,500. Contour intervals 50, 250, and 500 gammas. 35 by 38 inches.
- *GP-403. Aeromagnetic map of part of the Toh-Atin Mesa quadrangle, Apache County, Ariz., by F. C. Frischknecht, F. A. Petrafeso, and others. 1963. Lat 36°45' to 37°, long 109°15' to 109°30'. Scale 1:62,500. Contour intervals 10 and 50 gammas. 20 by 22 inches.
- *GP-404. Aeromagnetic map of part of the Los Gigantes Buttes quadrangle, Apache County, Ariz., by F. C. Frischknecht, F. A. Petrafeso, and others. 1963. Lat 36°30' to 36°45', long 109°15' to 109°30'. Scale 1:62,500. Contour interval 10 gammas. 21 by 23 inches.
- GP-405. Aeromagnetic map of the Yellowstone Canyon quadrangle, Apache County, Ariz., by F. C. Frischknecht, F. A. Petrafeso, and others. 1963. Lat 36°15' to 36°30', long 109°15' to 109°30'. Scale 1:62,500. Contour intervals 10 and 50 gammas. 21 by 23 inches. 50¢.
- *GP-406. Aeromagnetic map of the Canyon Del Muerto quadrangle, Apache County, Ariz., by F. C. Frischknecht, F. A. Petrafeso, and others. 1963. Lat 36° to 36°15', long 109°15' to 109°30'. Scale 1:62,500. Contour intervals 10, 50, and 100 gammas. 20 by 22 inches.
- GP-407. Aeromagnetic map of the Nazlini quadrangle, Apache County, Ariz., by F. C. Frischknecht, F. A. Petrafeso, and others. 1963. Lat 35°45' to 36°, long 109°15' to 109°30'. Scale 1:62,500. Contour intervals 10 and 50 gammas. 21 by 23 inches. 50¢.
- GP-408. Airborne-radioactivity survey of the northern part of the Shelby quadrangle, Cleveland and Rutherford Counties, N.C., by W. C. Overstreet, J. L. Meuschke, and R. M. Moxham. 1962. Scale 1:62,500. Contour interval 20 feet. 18 by 27 inches. 50¢.
- GP-409. Aeromagnetic map of the Magnet Cove area, Hot Spring County, Ark., by Fred Keller, Jr., J. R. Henderson, and others. 1963. Scale 1:24,000. Contour interval 200 gammas. 23 by 24 inches. 50¢.
- GP-411. Aeromagnetic map of the Bagdad area, Yavapai County, Ariz., by W. J. Dempsey, W. D. Fackler, and others. 1963. Lat 34°30' to 34°45', long 113° to 113°16'. Scale 1:62,500. Contour interval 50 gammas. 22 by 23 inches. 50¢.
- *GP-412. Aeromagnetic map of the Dragoon quadrangle, Cochise County, Ariz., by W. J. Dempsey, W. D. Fackler, and others. 1963. Lat 32° to 32°15', long 110° to 110°15'. Scale 1:62,500. Contour intervals 10 and 50 gammas. 21 by 23 inches.
- *GP-413. Aeromagnetic map of the Cochise quadrangle, Cochise County, Ariz., by W. J. Dempsey, W. D. Fackler, and others. 1963. Lat 32° to 32°15', long 109°45' to 110°. Scale 1:62,500. Contour interval 10 gammas. 22 by 23 inches.
- GP-414. Aeromagnetic map of Staunton and vicinity, Virginia, by R. W. Johnson, Jr., and J. S. Watkins. 1963. Lat 37° to 48°30', long 78°45' to 79°15'. Scale 1:62,500. Contour intervals 10, 50, and 250 gammas. 34 by 40 inches. 50¢.
- GP-415. Gravity map of Eureka County and adjoining areas, Nevada, by D. R. Mabey. 1964. Lat 39° to 41°, long 115°30' to 117°. Scale 1:250,000. Gravity-contour interval 5 milligals. 29 by 40 inches. 50¢.
- GP-416. Aeromagnetic map of Georgetown and vicinity, east-central Texas, by G. E. Andreasen and Frank Petrafeso. 1963. Lat 30°15' to 31°, long 97°

- to 98°. Scale 1:125,000. Contour intervals 20 and 200 gammas. 31 by 35 inches. 50¢.
- GP-417. Aeromagnetic map of the Llano Uplift, Mason-Burnet area, central Texas, by G. E. Andreasen and Frank Petrafeso. 1963. Lat 30°15' to 31°, long 98° to 99°45'. Scale 1:125,000. Contour intervals 20, 100, and 200 gammas. 32 by 56 inches. 50¢.
- *GP-418. Aeromagnetic map of parts of the Willcox and Luzena quadrangles, Cochise County, Ariz., by W. J. Dempsey and M. E. Hill. 1963. Lat 32°15' to 32°25', long 109°35' to 109°55'. Scale 1:62,500. Contour intervals 10 and 50 gammas. 17 by 26 inches.
- *GP-419. Aeromagnetic map of the Mammoth quadrangle, Pinal and Pima Counties, Ariz., by W. J. Dempsey and M. E. Hill. 1963. Lat 32°30' to 32°45', long 110°30' to 110°45'. Scale 1:62,500. Contour interval 20 gammas. 22 by 23 inches.
- *GP-420. Aeromagnetic map of parts of the Phoenix, Mesa, Camelback, and New River SE quadrangles, Maricopa County, Ariz., by W. J. Dempsey and M. E. Hill. 1963. Lat 33°20' to 33°32'30", long 111°50' to 112°05'. Scale 1:62,500. Contour interval 10 gammas. 20 by 21 inches.
- GP-421. Simple Bouguer gravity map of Kentucky, by J. S. Watkins. 1963. Lat about 37°30' to 39°07', long about 82° to 89°30'. Scale 1:500,000. Contour interval 10 milligals. 30 by 55 inches. 75¢.
- GP-422. Aeromagnetic and generalized geologic map of part of north-central Utah, by D. R. Mabey, M. D. Crittenden, Jr., H. T. Morris, R. J. Roberts, and E. W. Tooker. 1964. Lat 39°30' to 41°, long 111°30' to 112°30'. Scale 1:250,000. 25 by 32 inches. 50¢.
- GP-423. Aeromagnetic interpretation and preliminary geology of the Danforth area, Maine, by Andrew Griscom and D. M. Larrabee. 1963. Lat 45°30' to 45°40', long 67°25' to 68°15'. Scale 1:62,500. Contour intervals 20, 100, and 500 gammas. 28 by 44 inches. 50¢.
- GP-424. Aeromagnetic and geologic map of part of the Silver City mining region, Grant County, N. Mex., by W. R. Jones, J. E. Case, and W. P. Pratt. 1964. Lat 32°40' to 32°52'30", long 108° to 108°15'. Scale 1:63,360. Magnetic-contour interval 100 gammas. 19 by 22 inches. Accompanied by 6-page text. 50¢.
- GP-425. Aeromagnetic map of Melbourne and vicinity, Brevard County, Fla., by W. J. Dempsey and F. P. Gilbert. 1963. Lat 28° to 28°17'30", long 80°35' to 80°47'30". Scale 1:62,500. Contour interval 10 gammas. 20 by 26 inches. 50¢.
- GP-426. Aeromagnetic map of the Twin Buttes area, Pima and Santa Cruz Counties, Ariz., by G. E. Andreasen and J. A. Pitkin. 1963. Lat 31°40' to 32°15', long 111° to 111°30'. Scale 1:62,500. Contour interval 20 and 100 gammas. 34 by 46 inches. 50¢.
- GP-427. Aeromagnetic map of part of the tri-state mining district, Kansas, Missouri, and Oklahoma, by Fred Keller, Jr., and J. R. Henderson. 1963. Lat 36°45' to 37°20', long 94°15' to 95°. Scale 1:125,000. Contour intervals 10 and 50 gammas. 24 by 26 inches. 50¢.
- GP-428. Aeromagnetic map of the east-central part of the Death Valley National Monument, Inyo County, Calif., by G. E. Andreasen and F. A. Petrafeso. 1963. Lat 36°05' to 36°30', long 116°40' to 116°55'. Scale 1:62,500. Contour interval 10 gammas. 20 by 34 inches. 50¢.
- GP-429. Aeromagnetic map of the Ashfield quadrangle, Franklin and Hampshire Counties, Mass., by J. L. Meuschke and G. L. Zandle. 1963. Lat

- 42°30' to 42°37'30", long 72°45' to 72°52'30". Scale 1:24,000. Contour interval 20 gammas. 22 by 28 inches. Printed on transparent paper for use as an overlay on Geological Survey topographic map of the Ashfield quadrangle, 1955. 50¢.
- GP-430. Aeromagnetic map of the Bernardston quadrangle, Franklin County, Mass., and Windham County, Vt., by G. E. Andreassen and G. L. Zandle. 1963. Lat 42°37'30" to 42°45', long 72°30' to 72°37'30". Scale 1:24,000. Contour intervals 20 and 100 gammas. 22 by 28 inches. Printed on transparent paper for use as an overlay on Geological Survey topographic map of the Bernardston quadrangle, 1954. 50¢.
- GP-431. Aeromagnetic map of the Colrain quadrangle, Franklin County, Mass., and Windham County, Vt., by G. E. Andreassen and G. L. Zandle. 1963. Lat 42°37'30" to 42°45', long 72°37'30" to 72°45'. Scale 1:24,000. Contour interval 20 gammas. 22 by 27 inches. Printed on transparent paper for use as an overlay on Geological Survey topographic map of the Colrain quadrangle, 1945. 50¢.
- GP-432. Aeromagnetic map of the Greenfield quadrangle, Franklin County, Mass., by J. L. Meuschke and G. L. Zandle. 1963. Lat 42°30' to 42°37'30", long 72°30' to 72°37'30". Scale 1:24,000. Contour intervals 20 and 100 gammas. 22 by 28 inches. Printed on transparent paper for use as an overlay on Geological Survey topographic map of the Greenfield quadrangle, 1954. 50¢.
- GP-433. Aeromagnetic map of the Heath quadrangle, Franklin County, Mass., and Windham County, Vt., by Peter Popenoe and G. L. Zandle. 1963. Lat 42°37'30" to 42°45', long 72°45' to 72°52'30". Scale 1:24,000. Contour intervals 20 and 100 gammas. 22 by 28 inches. Printed on transparent paper for use as an overlay on Geological Survey topographic map of the Heath quadrangle, 1950. 50¢.
- GP-434. Aeromagnetic map of the Millers Falls quadrangle, Franklin County, Mass., by Peter Popenoe and G. L. Zandle. 1963. Lat 42°30' to 42°37'30", long 72°22'30" to 72°30'. Scale 1:24,000. Contour interval 20 gammas. 22 by 28 inches. Printed on transparent paper for use as an overlay on Geological Survey topographic map of the Millers Falls quadrangle, 1948. 50¢.
- GP-435. Aeromagnetic map of the Northfield quadrangle, Franklin County, Mass., Windham County, Vt., and Cheshire County, N.H., by G. E. Andreassen and G. L. Zandle. 1963. Lat 42°37'30" to 42°45', long 72°22'30" to 72°30'. Scale 1:24,000. Contour intervals 20 and 100 gammas. 22 by 28 inches. Printed on transparent paper for use as an overlay on Geological Survey topographic map of the Northfield quadrangle, 1945. 50¢.
- GP-436. Aeromagnetic map of the Plainfield quadrangle, Franklin, Hampshire, and Berkshire Counties, Mass., by J. L. Meuschke and G. L. Zandle. 1963. Lat 42°30' to 42°37'30", long 72°52'30" to 73°. Scale 1:24,000. Contour intervals 20 and 100 gammas. 22 by 28 inches. Printed on transparent paper for use as an overlay on Geological Survey topographic map of the Plainfield quadrangle, 1955. 50¢.
- GP-437. Aeromagnetic map of the Rowe quadrangle, Franklin and Berkshire Counties, Mass., and Windham and Bennington Counties, Vt., by Peter Popenoe and G. L. Zandle. 1963. Lat 42°37'30" to 42°45', long 72°52'30" to 73°. Scale 1:24,000. Contour intervals 20, 100, and 200 gammas. 22 by

- 28 inches. Printed on transparent paper for use as an overlay on Geological Survey topographic map of the Rowe quadrangle, 1960. 50¢.
- GP-438. Aeromagnetic map of the Shelburne Falls quadrangle, Franklin County, Mass., by J. L. Meuschke and G. L. Zandle. 1963. Lat 42°30' to 42°37'30", long 72°37'30" to 72°45'. Scale 1:24,000. Contour intervals 20 and 100 gammas. 22 by 28 inches. Printed on transparent paper for use as an overlay on Geological Survey topographic map of the Shelburne Falls quadrangle, 1949. 50¢.
- GP-439. Bouguer gravity, aeromagnetic, and generalized geologic map of Townsend and Duck Creek Pass quadrangles, Broadwater County, Mont., by W. T. Kinoshita, W. E. Davis, H. W. Smedes, and W. H. Nelson. 1964. Lat 46°15' to 46°30', long 111°15' to 111°45'. Sheet 1, gravity and geologic map; scale 1:62,500; gravity-contour interval 5 milligals; 27 by 31 inches. Sheet 2, aeromagnetic map; scale 1:62,500; magnetic-contour intervals 20 and 100 gammas; 24 by 30 inches. \$1 per set.
- GP-440. Aeromagnetic map of the Topopah Spring quadrangle and part of the Bare Mountain quadrangle, Nye County, Nev., by G. R. Boynton and J. L. Vargo. 1963. 36°45' to 37°, long 116°15' to 116°37'30". Scale 1:62,500. Contour interval 20 gammas. 23 by 27 inches. 50¢.
- GP-441. Aeromagnetic map of the Tippihah Spring quadrangle and parts of the Papoose Lake and Wheelbarrow Peak quadrangles, Nye County, Nev., by G. R. Boynton, J. L. Meuschke, and J. L. Vargo. 1963. Lat 37° to 37°20', long 115°55' to 116°15'. Scale 1:62,500. Contour interval 20 gammas. 26 by 29 inches. 50¢.
- GP-442. Aeromagnetic map of the Cane Spring quadrangle and parts of the Frenchman Lake, Specter Range, and Mercury quadrangles, Nye County, Nev., by G. R. Boynton and J. L. Vargo. 1963. Lat 36°40' to 37°, long 115°55' to 116°15'. Scale 1:62,500. Contour interval 20 gammas. 26 by 29 inches. 50¢.
- GP-443. Aeromagnetic map of the Timber Mountain quadrangle and part of the Silent Canyon quadrangle, Nye County, Nev., by G. R. Boynton, J. L. Meuschke, and J. L. Vargo. 1963. Lat 37° to 37°20', long 116°15' to 116°30'. Scale 1:62,500. Contour intervals 20 and 100 gammas. 21 by 29 inches. 50¢.
- GP-444. Bouguer gravity, aeromagnetic, and generalized geologic map of East Helena and Canyon Ferry quadrangles and part of the Diamond City quadrangle, Lewis and Clark, Broadwater, and Jefferson Counties, Mont., by W. E. Davis, W. T. Kinoshita, and H. W. Smedes. 1963. Sheet 1, lat 46°30' to 46°45', long 111°21' to 112°; scale 1:62,500; contour interval 40 feet; 30 by 34 inches. Sheet 2, overlay showing aeromagnetic data; contour intervals 20, 100, and 500 gammas; 24 by 33½ inches. Accompanied by 6-page text. \$1 per set.
- GP-445. Aeromagnetic map of western Pennsylvania and parts of eastern Ohio, northern West Virginia, and western Maryland, by Peter Popenoe, A. J. Petty, and N. S. Tyson. 1964. Lat 39°35' to 41°25', long 78°50' to 81°25'. Scale 1:250,000. Magnetic-contour interval 25 gammas. 38 by 38 inches. 50¢.
- GP-446. Natural gamma aeroradioactivity of the National Reactor Testing Station area, Idaho, by R. G. Bates. 1964. Lat 43° to 44°30', long 111°45' to 114°. Scale 1:250,000. 33 by 50 inches. 75¢.
- GP-447. Aeromagnetic reconnaissance of the east-central Tanana Lowland, Alaska, by G. E. Andreasen, Clyde Wahrhaftig, and Isidore Zietz. 1964.

Lat 64° to 65°, long 147°30' to 148°15'. Scale 1:125,000. Sheet 1, geologic map. Sheet 2, aeromagnetic map for overlay on sheet 1; magnetic-contour intervals 10 and 50 gammas. Each sheet 18 by 40½ inches. Accompanied by 3-page text. \$1 per set.

- GP-448. Aeromagnetic map of the Beckett quadrangle, Berkshire, Hampshire, and Hampden Counties, Mass., by Peter Popenoe, G. R. Boynton, and G. L. Zandle. 1964. Lat 42°15' to 42°22'30", long 73° to 73°07'30". Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 28 inches. Printed on transparent paper for use as an overlay on Geological Survey topographic map of the Beckett quadrangle, 1958. 50¢.
- GP-449. Aeromagnetic map of the Berlin quadrangle, Berkshire County, Mass., Rensselaer County, N.Y., and Bennington County, Vt., by Peter Popenoe, J. R. Boynton, and G. L. Zandle. 1964. Lat 42°37'30" to 42°45', long 73°15' to 73°22'30". Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 28 inches. Printed on transparent paper for use as an overlay on Geological Survey topographic map of the Berlin quadrangle, 1960. 50¢.
- GP-450. Aeromagnetic map of part of the Canaan quadrangle, Berkshire County, Mass., and Columbia and Rensselaer Counties, N.Y., by Peter Popenoe, G. R. Boynton, and G. L. Zandle. 1964. Lat 42°22'30" to 42°30', long 73°22'30" to 73°30'. Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 28 inches. Printed on transparent paper for use as an overlay on Geological Survey topographic map of the Canaan quadrangle, 1959. 50¢.
- GP-451. Aeromagnetic map of the Cheshire quadrangle, Berkshire County, Mass., by Peter Popenoe, G. R. Boynton, and G. L. Zandle. 1964. Lat 42°30' to 42°37'30", long 73°07'30" to 73°15'. Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 28 inches. Printed on transparent paper for use as an overlay on Geological Survey topographic map of the Cheshire quadrangle, 1959. 50¢.
- GP-452. Aeromagnetic map of the East Lee quadrangle, Berkshire County, Mass., by Peter Popenoe, G. R. Boynton, and G. L. Zandle. 1964. Lat 42°15' to 42°22'30", long 73°07'30" to 73°15'. Scale 1:24,000. Magnetic contour intervals 20 and 100 gammas. 22 by 28 inches. Printed on transparent paper for use as an overlay on Geological Survey topographic map of the East Lee quadrangle, 1958. 50¢.
- GP-453. Aeromagnetic map of the Hancock quadrangle, Berkshire County, Mass., and Rensselaer County, N.Y., by Peter Popenoe, G. R. Boynton, and G. L. Zandle. 1964. Lat 42°30' to 42°37'30", long 73°15' to 73°22'30". Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 28 inches. Printed on transparent paper for use as an overlay on Geological Survey topographic map of the Hancock quadrangle, 1960. 50¢.
- GP-454. Aeromagnetic map of the North Adams quadrangle, Berkshire and Franklin Counties, Mass., and Bennington County, Vt., by Peter Popenoe, G. R. Boynton, and G. L. Zandle. 1964. Lat 42°37'30" to 42°45', long 73° to 73°07'30". Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 28 inches. Printed on transparent paper for use as an overlay on Geological Survey Map GQ-139. 50¢.
- GP-455. Aeromagnetic map of the Peru quadrangle, Berkshire and Hampshire Counties, Mass., by Peter Popenoe, G. R. Boynton, and G. L. Zandle. 1964. Lat 42°22'30" to 42°30', long 73° to 73°07'30". Scale 1:24,000. Magnetic-

- contour intervals 20 and 100 gammas. 22 by 28 inches. Printed on transparent paper for use as an overlay on Geological Survey topographic map of Peru quadrangle, 1959. 50¢.
- GP-456. Aeromagnetic map of the Pittsfield East quadrangle, Berkshire County, Mass., by Peter Popenoe, G. R. Boynton, and G. L. Zandle. 1964. Lat 42°22'30" to 42°30', long 73°07'30" to 73°15'. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 28 inches. Printed on transparent paper for use as an overlay on Geological Survey topographic map of the Pittsfield East quadrangle, 1959. 50¢.
- GP-457. Aeromagnetic map of the Pittsfield West quadrangle, Berkshire County, Mass., by Peter Popenoe, G. R. Boynton, and G. L. Zandle. 1964. Lat 42°22'30" to 42°30', long 73°15' to 73°22'30". Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 28 inches. Printed on transparent paper for use as an overlay on Geological Survey topographic map of the Pittsfield West quadrangle, 1959. 50¢.
- GP-458. Aeromagnetic map of the State Line quadrangle, Berkshire County, Mass., and Columbia County, N.Y., by Peter Popenoe, G. R. Boynton, and G. L. Zandle. 1964. Lat 42°15' to 42°22'30", long 73°22'30" to 73°30'. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 28 inches. Printed on transparent paper for use as an overlay on Geological Survey topographic map of the State Line quadrangle, 1959. 50¢.
- GP-459. Aeromagnetic map of the Stockbridge quadrangle, Berkshire County, Mass., by Peter Popenoe, G. R. Boynton, and G. L. Zandle. 1964. Lat 42°15' to 42°22'30", long 73°15' to 73°22'30". Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 28 inches. Printed on transparent paper for use as an overlay on Geological Survey topographic map of the Stockbridge quadrangle, 1959. 50¢.
- GP-460. Aeromagnetic map of the Williamstown quadrangle, Berkshire County, Mass., and Bennington County, Vt., by Peter Popenoe, G. R. Boynton, and G. L. Zandle. 1964. Lat 42°37'30" to 42°45', long 73°07'30" to 73°15'. Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 28 inches. Printed on transparent paper for use as an overlay on Geological Survey topographic map of the Williamstown quadrangle, 1960. 50¢.
- GP-461. Aeromagnetic map of the Windsor quadrangle, Berkshire County, Mass., by Peter Popenoe, G. R. Boynton, and G. L. Zandle. 1964. Lat 42°30' to 42°37'30", long 73° to 73°07'30". Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 28 inches. Printed on transparent paper for use as an overlay on Geological Survey topographic map of the Windsor quadrangle, 1960. 50¢.
- GP-462. Natural gamma aeroradioactivity of the Gnome (Carlsbad) area, New Mexico and Texas, by J. A. MacKallor. 1964. Lat 31°30' to 33°, long 103° to 104°45'. Scale 1:250,000. Aeroradioactivity-contour interval 100 counts per second. 32 by 49 inches. 75¢.
- GP-463. Aeromagnetic map of Oxnard and vicinity, Ventura County, Calif., G. E. Andreasen, J. A. Pitkin, and F. A. Petrafeso. 1964. Lat 34°07'30" to 34°20', long 119° to 119°15'. Scale 1:48,000. Magnetic-contour intervals 20 and 100 gammas. 24½ by 25 inches. 50¢.
- GP-464. Aeromagnetic map of the Long Beach-Santa Ana area, Los Angeles and Orange Counties, Calif., by G. E. Andreasen, J. A. Pitkin, and F. A. Petrafeso. 1964. Lat 33°32'30" to about 33°51'30", long 117°45' to 118°25'. Scale 1:48,000. Magnetic-contour intervals 20 and 100 gammas. 34½ by 53 inches. 50¢.

- GP-465. Aeromagnetic map of eastern Los Angeles and vicinity, California, by G. E. Andreasen, J. A. Pitkin, and F. A. Petrafeso. 1964. Lat 33°52'30" to 34°13'30", long 117°45' to 118°15'. Scale 1:48,000. Magnetic-contour intervals 20 and 100 gammas. 37½ by 40 inches. 50¢.
- GP-466. Aeromagnetic map of western Los Angeles and vicinity, California, by G. E. Andreasen, J. A. Pitkin, and F. A. Petrafeso. 1964. Lat about 33°52'30" to 34°13'30", long 118°15' to 118°30'. Scale 1:48,000. Magnetic-contour intervals 20, 100, and 500 gammas. 23 by 49 inches. 50¢.
- GP-467. Aeromagnetic map of parts of Marquette, Dickinson, Baraga, Alger, and Schoolcraft Counties, Mich., and its geologic interpretation, by J. E. Case and J. E. Gair. 1965. Sheet 1, lat 46°05' to 46°37'30", long 88°10' to 88°22'30"; 41 by 43 inches. Sheet 2, lat 46°37'30" to 46°55', long 87°30' to 88°10'; 26½ by 44 inches. Sheet 3, lat 46°15' to 46°40', long 86°25' to 87°22'30"; 36 by 48 inches. Scale 1:62,500. Magnetic-contour intervals 50, 250, 1,000, and 5,000 gammas. Accompanied by 10-page text. \$1.50 per set.
- GP-468. Complete Bouguer gravity map of the northern part of the San Francisco Bay area, and its geologic interpretation, by W. G. Clement. 1965. Lat 37°50' to 38°20', long 122°12' to 123°. Scale 1:125,000. 24 by 34 inches. Accompanied by 6-page text. 50¢.
- GP-469. Aeromagnetic map of the Glencoe-Ripley area, Payne County, Okla., by G. E. Andreasen, R. W. Bromery, and F. P. Gilbert. 1964. Lat 35°59' to 36°15', long 96°45' to about 97°03'. Scale 1:62,500. 24 by 24 inches. 50¢.
- GP-470. Aeromagnetic map of the Hominy area, Osage County, Okla., by G. A. Andreasen, R. W. Bromery, and F. P. Gilbert. 1964. Lat about 36°23' to 38°37', long 96°16' to 96°38'. Scale 1:62,500. Contour interval 10 gammas. 22½ by 28 inches. 50¢.
- GP-471. Aeromagnetic and geologic map of northwestern Minnesota, by G. D. Bath, G. M. Schwartz, and F. P. Gilbert. 1964. Lat 47° to 49°, long 94° to 96°45'. Scale 1:250,000. Magnetic-contour intervals 100, 500, and 2,000 gammas. 40 by 49 inches. 75¢.
- GP-472. Aeromagnetic and geologic map of northeastern Minnesota, by G. D. Bath, G. M. Schwartz, and F. P. Gilbert. 1965. Lat 47° to 49°, long 90°45' to 94°. Scale 1:250,000. Magnetic-contour intervals 100, 500, 2,000, and 10,000 gammas. 39½ by 42 inches. 75¢.
- GP-473. Aeromagnetic and geologic map of west-central Minnesota, by G. D. Bath, G. M. Schwartz, and F. P. Gilbert. 1965. Lat 46° to 47°, long 94° to 96°45'. Scale 1:250,000. Magnetic-contour intervals 100, 500, and 2,000 gammas. 27 by 45 inches. 75¢.
- GP-474. Aeromagnetic and geologic map of east-central Minnesota, by C. D. Bath, G. M. Schwartz, and F. P. Gilbert. 1964. Lat 45°45' to 47°, long 92° to 94°. Scale 1:250,000. Magnetic-contour intervals 100 and 500 gammas. 28 by 36 inches. 75¢.
- GP-475. Natural gamma aeroradioactivity of the District of Columbia and parts of Maryland, Virginia, and West Virginia, by S. K. Neuschel. 1965. Lat 37°55' to 39°25', long 76°15' to 78°. Scale 1:250,000. 32 by 50 inches. 75¢.
- GP-476. Aeromagnetic map of central Iowa, by J. R. Henderson and J. L. Vargo. 1965. Lat 40°30' to 43°30', long 92°36' to 96°. Scale 1:316,800. Magnetic-contour intervals 20 and 100 gammas. 39 by 46 inches. 50¢.
- GP-477. Aeromagnetic map of the Cupsuptic quadrangle, Oxford and Franklin Counties, Maine, by G. R. Boynton and F. P. Gilbert. 1964. Lat 45°

- to 45°15', long 70°45' to 71°. Scale 1:62,500. Magnetic-contour intervals 10 and 50 gammas. 19 by 22½ inches. 50¢.
- GP-478. Aeromagnetic map of the Oquossoc quadrangle, Oxford and Franklin Counties, Maine, by G. R. Boynton and F. P. Gilbert. 1964. Lat 44°45' to 45°, long 70°45' to 71°. Scale 1:62,500. Magnetic-contour interval 10 gammas. 18½ by 23 inches. 50¢.
- GP-479. Aeromagnetic map of the Phillips quadrangle, Franklin County, Maine, by G. R. Boynton and F. P. Gilbert. 1964. Lat 44°45' to 45°, long 70°15' to 70°30'. Scale 1:62,500. Magnetic-contour interval 10 gammas. 19 by 22½ inches. 50¢.
- GP-480. Aeromagnetic map of the Rangeley quadrangle and part of the Kennebec Lake quadrangle, Franklin and Oxford Counties, Maine, by G. R. Boynton and F. P. Gilbert. 1964. Lat 44°45' to 45°01', long 70°30' to 70°45'. Scale 1:62,500. Magnetic-contour interval 10 gammas. 18½ by 23 inches. 50¢.
- GP-481. Aeromagnetic map of the Albany-Newport area, Oregon, and its geologic interpretation, by R. W. Bromery. 1965. Lat 44°30' to 44°45', long 123° to 124°05'. Scale 1:62,500. Magnetic-contour intervals 50, 250, and 500 gammas. Accompanied by 3-page text. 50¢.
- GP-482. Aeromagnetic map of Bel Air and vicinity, Harford, Baltimore, and Cecil Counties, Md., by R. W. Bromery, A. J. Petty, and C. W. Smith. 1964. Lat 39°22'30" to 39°43'30", long 76°02'30" to 76°35'. Scale 1:62,500. 29 by 33 inches. 50¢.
- GP-483. Natural gamma aeroradioactivity map of parts of the San Francisco region, California, by K. G. Books. 1965. Lat 37°30' to 39°, long 120°30' to 123°. Scale 1:250,000. 32 by 44 inches. 75¢.
- GP-484. Natural gamma aeroradioactivity map of Bel Air and vicinity, Harford, Baltimore, and Cecil Counties, Md., by R. W. Bromery, A. J. Petty, and F. P. Gilbert. 1964. Lat 39°22'30" to 39°43'30", long 76° to 76°35'. Scale 1:62,500. Aeroradioactivity-contour interval 50 counts per second. 30 by 35 inches. 50¢.
- GP-485. Aeromagnetic map of The Forks quadrangle, Piscataquis and Somerset Counties, Maine, by R. W. Bromery and N. W. Natof. 1964. Lat 45°15' to 45°30', long 69°45' to 70°. Scale 1:62,500. Magnetic-contour intervals 10 and 50 gammas. 18 by 23 inches. 50¢.
- GP-486. Aeromagnetic map of the Old Speck Mountain quadrangle, Franklin and Oxford Counties, Maine, by J. R. Henderson and C. W. Smith. 1964. Lat 44°30' to 44°45', long 70°45' to 71°. Scale 1:62,500. Magnetic-contour interval 10 gammas. 18 by 23 inches. 50¢.
- GP-487. Aeromagnetic map of the Amity quadrangle, Aroostook County, Maine, by J. L. Meuschke and J. L. Vargo. 1964. Lat 45°45' to 46°, long 67°45' to 68°. Scale 1:62,500. Magnetic-contour interval 20 gammas. 18 by 23 inches. 50¢.
- GP-488. Aeromagnetic map of the Georgia Nuclear Laboratory area, Georgia, by P. W. Philbin, F. A. Petrafeso, and C. L. Long. 1964. Lat vicinity 34°15', long 84°. Scale 1:250,000. Magnetic-contour intervals 20 and 100 gammas. 34 by 40 inches. 50¢.
- GP-489. Aeromagnetic map of the Savannah River Plant area, South Carolina and Georgia, by A. J. Petty, F. A. Petrafeso, and F. C. Moore, Jr. 1965. Area about 100 miles square extending along Savannah River and

- crossed at center by parallel $33^{\circ}15'$, and meridian $81^{\circ}45'$. Scale 1:250,000. Magnetic-contour intervals 20 and 100 gammas. 41 by 41 inches. 50¢.
- GP-490. Aeromagnetic map of part of the Lanes Creek quadrangle, Caribou County, Idaho, by J. L. Meuschke and C. L. Long. 1965. Lat $42^{\circ}45'$ to 43° , long $111^{\circ}15'$ to $111^{\circ}30'$. Scale 1:62,500. Magnetic-contour interval 10 gammas. 19 by 22 inches. 50¢.
- GP-491. Aeromagnetic map of the Columbus-Dayton area, Ohio and Indiana, by P. W. Philbin, C. L. Long, and F. C. Moore. 1965. Lat about $82^{\circ}15'$, to $85^{\circ}15'$, long about $39^{\circ}22\frac{1}{2}'$ to $42^{\circ}30'$. Scale 1:250,000. Magnetic-contour interval 25 gammas. 25 by 48 inches. 50¢.
- GP-492. Aeromagnetic map of parts of the Hackensack and Paterson quadrangles, Bergen and Passaic Counties, N.J., by P. W. Philbin and J. R. Kirby. 1964. Lat $40^{\circ}52'30''$ to 41° , long 74° to $74^{\circ}10'$. Scale 1:31,680. Magnetic-contour intervals 25 and 125 gammas. 23 by 24 inches. 50¢.
- GP-493. Aeromagnetic map of the Nyack quadrangle and part of the White Plains quadrangle, Bergen County, N.J., and Rockland and Westchester Counties, N.Y., by P. W. Philbin and J. R. Kirby. 1964. Lat 41° to $41^{\circ}07'30''$, long $73^{\circ}50'$ to 74° . Scale 1:31,680. Magnetic-contour intervals 25 and 125 gammas. 23 by 24 inches. 50¢.
- GP-494. Aeromagnetic map of the Park Ridge quadrangle, Bergen County, N.J., and Rockland County, N.Y., by P. W. Philbin and J. R. Kirby. 1964. Lat 41° to $41^{\circ}07'30''$, long 74° to $74^{\circ}07'30''$. Scale 1:31,680. Magnetic-contour interval 25 gammas. 20 by 23 inches. 50¢.
- GP-495. Aeromagnetic map of parts of the Yonkers and Mount Vernon quadrangles, Bergen County, N.J., and Bronx, Rockland, and Westchester Counties, N.Y., by P. W. Philbin and J. R. Kirby. 1964. Lat $40^{\circ}52'30''$ to 41° , long $73^{\circ}50'$ to 74° . Scale 1:31,680. Magnetic-contour intervals 25 and 125 gammas. 23 by 25 inches. 50¢.
- GP-496. Aeromagnetic, Bouguer gravity, and generalized geologic map of Toston and Radersburg quadrangles and part of the Devils Fence quadrangle, Gallatin, Broadwater, and Jefferson Counties, Mont., by W. T. Kinoshita, W. E. Davis, and G. D. Robinson. 1965. Lat 46° to $46^{\circ}15'$, long $111^{\circ}15'$ to 112° . Sheet 1, gravity and geologic map; scale 1:62,500; gravity-contour interval 5 milligals; 24 by 47 inches. Sheet 2, aeromagnetic map (transparent overlay); scale 1:62,500; magnetic-contour intervals 20 and 100 gammas; 24 by 46 inches. Accompanied by 6-page text. \$1 per set.
- GP-497. Bouguer gravity, aeromagnetic, and generalized geologic map of the western part of the Three Forks Basin, Jefferson, Broadwater, Madison, and Gallatin Counties, Mont., by W. E. Davis, W. T. Kinoshita, and G. D. Robinson. 1965. Lat $45^{\circ}30'$ to 46° , long $111^{\circ}30'$ to $111^{\circ}55'$. Sheet 1, gravity and geologic map; scale 1:62,500; gravity-contour interval 5 milligals; 27 by $41\frac{1}{2}$ inches. Sheet 2, aeromagnetic map (transparent overlay); scale 1:62,500; magnetic-contour intervals 20, 100, 200, and 500 gammas; 27 by 41 inches. Accompanied by 5-page text. \$1 per set.
- GP-498. Bouguer gravity, aeromagnetic, and generalized geologic map of the eastern part of the Three Forks Basin, Broadwater, Madison, and Gallatin Counties, Mont., by W. E. Davis, W. T. Kinoshita, and G. D. Robinson. 1965. Sheet 1, gravity and geologic map; lat $45^{\circ}30'$ to 46° , long $110^{\circ}55'$ to $111^{\circ}30'$; scale 1:62,500; gravity-contour interval 5 milligals; 36 by 42 inches. Sheet 2, aeromagnetic map (transparent

- overlay), lat about $45^{\circ}40'$ to 46° , long $110^{\circ}55'$ to $111^{\circ}30'$; scale 1:62,500; magnetic-contour intervals 20 and 100 gammas; 32 by 36 inches. Accompanied by 5-page text. \$1 per set.
- GP-499. Aeromagnetic and generalized geologic map of the Bingham quadrangle, Somerset County, Maine, by R. E. Mattick. 1965. Lat 45° to $45^{\circ}15'$, long $69^{\circ}45'$ to 70° . Scale 1:62,500. Magnetic-contour intervals 10 and 50 gammas. 23 by $24\frac{1}{2}$ inches. 50¢.
- GP-500. Aeromagnetic map of Findlay, Ohio, and vicinity, by R. W. Bromery and W. E. McCaslin. 1965. Lat $40^{\circ}45'$ to $41^{\circ}15'$, long $83^{\circ}15'$ to $84^{\circ}07'30''$. Scale 1:125,000. Magnetic-contour intervals 10 and 50 gammas. 23 by 30 inches. 50¢.
- GP-501. Aeromagnetic map of the Old Forge quadrangle and part of the West Canada Lakes quadrangle, Herkimer and Hamilton Counties, N.Y., by J. R. Balsley and R. W. Bromery. 1965. Lat $43^{\circ}30'$ to $43^{\circ}45'$, long $74^{\circ}40'$ to 75° . Scale 1:62,500. Magnetic-contour interval 100 gammas. 23 by 23 inches. 50¢.
- GP-502. Aeromagnetic map of the Number Four quadrangle, Herkimer and Lewis Counties, N.Y., by J. R. Balsley and R. W. Bromery. 1965. Lat $43^{\circ}45'$ to 44° , long 75° to $75^{\circ}15'$. Scale 1:62,500. Magnetic-contour interval 100 gammas. 19 by 23 inches. 50¢.
- GP-503. Aeromagnetic map of the Raquette Lake quadrangle, Hamilton County, N.Y., by J. R. Balsley and R. W. Bromery. 1965. Lat $43^{\circ}45'$ to 44° , long $74^{\circ}30'$ to $74^{\circ}45'$. Scale 1:62,500. Magnetic-contour intervals 100 and 500 gammas. 19 by 23 inches. 50¢.
- GP-504. Aeromagnetic map of the Big Moose quadrangle, Herkimer and Hamilton Counties, N.Y., by J. R. Balsley and R. W. Bromery. 1965. Lat $43^{\circ}45'$ to 44° , long $74^{\circ}45'$ to 75° . Scale 1:62,500. Magnetic-contour interval 100 gammas. 19 by 23 inches. 50¢.
- GP-505. Natural gamma aeroradioactivity map of the Denver area, Colorado, by Peter Popenoe. 1965. Lat $39^{\circ}07'30''$ to $40^{\circ}35'$, long 104° to about $105^{\circ}15'$. Scale 1:250,000. 31 by 36 inches. 50¢.
- GP-506. Aeromagnetic map of parts of the Elizabethtown and Port Henry quadrangles, Essex County, N.Y., by J. R. Balsley and R. W. Bromery. 1965. Lat 44° to $44^{\circ}15'$, long $73^{\circ}22'$ to $73^{\circ}45'$. Scale 1:62,500. Magnetic-contour interval 100 gammas. 23 by 26 inches. 50¢.
- GP-507. Aeromagnetic map of parts of the Paradox Lake and Ticonderoga quadrangles, Essex and Warren Counties, N.Y., by J. R. Balsley and R. W. Bromery. 1965. Lat $43^{\circ}45'$ to 44° , long $73^{\circ}22'$ to $73^{\circ}45'$. Scale 1:62,500. Magnetic-contour interval 100 gammas. 23 by 26 inches. 50¢.
- GP-508. Aeromagnetic map of part of the Lowville quadrangle, Lewis County, N.Y., by J. R. Balsley and R. W. Bromery. 1965. Lat $43^{\circ}45'$ to 44° , long $75^{\circ}15'$ to $75^{\circ}30'$. Scale 1:62,500. Magnetic-contour interval 100 gammas. 19 by 23 inches. 50¢.
- GP-509. Aeromagnetic map of parts of the Bolton Landing, Glens Falls, and Whitehall quadrangles, Warren and Washington Counties, N.Y., and Rutland County, Vt., by J. R. Balsley and R. W. Bromery. 1965. Lat $43^{\circ}20'$ to $43^{\circ}54'$, long $73^{\circ}30'$ to $73^{\circ}45'$. Scale 1:62,500. Magnetic-contour interval 100 gammas. 23 by 35 inches. 50¢.
- GP-510. Aeromagnetic map of the McKeever quadrangle and part of the Port Leyden quadrangle, north-central New York, by J. R. Balsley and

- R. W. Bromery. 1965. Lat 43°30' to 43°45', long 75° to 75°30'. Scale 1:62,500. Magnetic-contour interval 100 gammas. 22 by 31 inches. 50¢
- GP-511. Aeromagnetic map of the Cactus Spring quadrangle and part of the Goldfield quadrangle, Esmeralda and Nye Counties, Nev., by P. W. Philbin and B. L. White, Jr. 1965. Lat 37°30' to 37°45', long 116°45' to 117°15'. Scale 1:62,500. Magnetic-contour interval 20 gammas. 22 by 35 inches. 50¢.
- GP-512. Aeromagnetic map of the Sarcobatus Flat area, Esmeralda and Nye Counties, Nev., by P. W. Philbin and B. L. White, Jr. 1965. Lat 37° to 37°30', long 116°30' to 117°15'. Scale 1:125,000. Magnetic-contour interval 20 gammas. 22 by 24 inches. 50¢.
- GP-513. Aeromagnetic map of the Wheelbarrow Peak quadrangle and part of the Groom Mine quadrangle, Nye and Lincoln Counties, Nev., by P. W. Philbin and B. L. White, Jr. 1965. Lat 37°15' to 37°30', long 115°55' to 116°15'. Scale 1:62,500. Magnetic-contour interval 20 gammas. 22 by 26 inches. 50¢.
- GP-514. Aeromagnetic map of the Belted Peak quadrangle and part of White Blotch Springs quadrangle, Nye County, Nev., by P. W. Philbin and B. L. White, Jr. 1965. Lat 37°30' to 37°45', long 115°55' to 116°15'. Scale 1:62,500. Magnetic-contour interval 20 gammas. 22 by 26 inches. 50¢.
- GP-515. Aeromagnetic map of the Quartzite Mountain quadrangle, Nye County, Nev., by P. W. Philbin and B. L. White, Jr. 1965. Lat 37°30' to 37°45', long 116°15' to 116°30'. Scale 1:62,500. Magnetic-contour interval 20 gammas. 22 by 23 inches. 50¢.
- GP-516. Aeromagnetic map of parts of the Kawich Peak and Reveille Peak quadrangles, Nye County, Nev., by P. W. Philbin and B. L. White, Jr. 1965. Lat 37°45' to 38°, long 116° to 116°30'. Scale 1:62,500. Magnetic-contour intervals 20 and 100 gammas. 22 by 35 inches. 50¢.
- GP-517. Aeromagnetic map of parts of the Cactus Peak and Stinking Spring quadrangles, Nye County, Nev., by P. W. Philbin and B. L. White, Jr. 1965. Lat 37°45' to 38°, long 116°30' to 117°. Scale 1:62,500. Magnetic-contour interval 20 gammas. 22 by 35 inches. 50¢.
- GP-518. Aeromagnetic map of the Mellan quadrangle, Nye County, Nev., by P. W. Philbin and B. L. White, Jr. 1965. Lat 37°30' to 37°45', long 116°30' to 116°45'. Scale 1:62,500. Magnetic-contour interval 20 gammas. 22 by 23 inches. 50¢.
- GP-519. Aeromagnetic map of the Black Mountain quadrangle, Nye County, Nev., by P. W. Philbin and B. L. White, Jr. 1965. Lat 37°15' to 37°30', long 116°30' to 116°45'. Scale 1:62,500. Magnetic-contour interval 20 gammas. 22 by 23 inches. 50¢.
- GP-520. Aeromagnetic map of the Silent Canyon quadrangle, Nye County, Nev., by P. W. Philbin and B. L. White, Jr. 1965. Lat 37°15' to 37°30', long 116°15' to 116°30'. Scale 1:62,500. Magnetic-contour interval 20 gammas. 22 by 23 inches. 50¢.
- GP-521. Aeromagnetic map of the Pocatello-Soda Springs area, Bannock and Caribou Counties, Idaho, by C. M. Mitchell, F. F. Knowles, and F. A. Petrafeso. 1965. Lat 42°30' to 43°, long 111°30' to 112°36'. Scale 1:250,000. Magnetic-contour intervals 10 and 50 gammas. 22½ by 31 inches. 50¢.
- GP-522. Geophysical investigations in the Concord quadrangle, Cabarrus and Mecklenburg Counties, N.C., by R. G. Bates and Henry Bell III. 1965.

- Lat 35°15' to 35°30', long 80°30' to 80°45'. Scale 1:48,000. Magnetic-contour intervals 20, 100, and 500 gammas. 26 by 29 inches. 50¢.
- GP-523. Aeromagnetic map of northeastern Illinois and its geologic interpretation, by M. E. Beck, Jr. 1965. Lat about 40°38' to 42°30', long 87°30' to 89°15'. Scale 1:250,000. Magnetic-contour intervals 25, 125, and 250 gammas. 28 by 39 inches. Accompanied by 6-page text. 50¢.
- GP-524. Natural gamma aeroradioactivity map of central Ohio and east-central Indiana, by R. G. Bates. 1965. Lat 39°24' to 40°30', long 82°15' to 85°02'. Scale 1:250,000. 25½ by 45 inches. 50¢.
- GP-525. Natural gamma aeroradioactivity map of Puerto Rico, by J. A. MacKallor. 1965 [1966]. Scale 1:240,000. 32 by 45 inches. 50¢.
- GP-526. Aeromagnetic map of part of the Ashley Falls quadrangle, Berkshire County, Mass., and Litchfield County, Conn., by G. R. Boynton, Peter Popenoe, and G. L. Zandle. 1965. Lat 42° to 42°07'30", long 73°15' to 73°22'30". Scale 1:24,000. Magnetic-contour interval 20 gammas. 23 by 28½ inches. 50¢.
- GP-527. Aeromagnetic map of part of the Bashbish Falls quadrangle, Massachusetts, Connecticut, and New York, by G. R. Boynton, Peter Popenoe, and G. L. Zandle. 1965. Lat 42° to 42°07'30", long 73°22'30" to 73°30'. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 23 by 28½ inches. 50¢.
- GP-528. Aeromagnetic map of the Blandford quadrangle, Hampden and Hampshire Counties, Mass., by G. R. Boynton, Peter Popenoe, and G. L. Zandle. 1965. Lat 42°07'30" to 42°15', long 72°52'30" to 73°. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 23 by 28 inches. 50¢.
- GP-529. Aeromagnetic map of the Egremont quadrangle and part of the State Line quadrangle, Berkshire County, Mass., and Columbia County, N.Y., by G. R. Boynton, Peter Popenoe, and G. L. Zandle. 1965. Lat 42°07'30" to 42°15'30", long 73°22'30" to 73°30'. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 23 by 29½ inches. 50¢.
- GP-530. Aeromagnetic map of the Great Barrington quadrangle, Berkshire County, Mass., by G. R. Boynton, Peter Popenoe, and G. L. Zandle. 1965. Lat 42°07'30" to 42°15', long 73°15' to 73°22'30". Scale 1:24,000. Magnetic-contour interval 20 gammas. 23 by 27½ inches. 50¢.
- GP-531. Aeromagnetic map of the Monterey quadrangle, Berkshire County, Mass., by G. R. Boynton, Peter Popenoe, and G. L. Zandle. 1965. Lat 42°07'30" to 42°15', long 73°07'30" to 73°15'. Scale 1:24,000. Magnetic-contour interval 20 gammas. 23 by 28½ inches. 50¢.
- GP-532. Aeromagnetic map of the Otis quadrangle, Berkshire and Hampden Counties, Mass., by G. R. Boynton, Peter Popenoe, and G. L. Zandle. 1965. Lat 42°07'30" to 42°15', long 73° to 73°07'30". Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 23 by 28 inches. 50¢.
- GP-533. Aeromagnetic map of part of the South Sandisfield quadrangle, Berkshire County, Mass., and Litchfield County, Conn., by G. R. Boynton, Peter Popenoe, and G. L. Zandle. 1965. Lat 42° to 42°07'30", long 73°07'30" to 73°15'. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 23 by 28½ inches. 50¢.
- GP-534. Aeromagnetic map of part of the Southwick quadrangle, Hampden County, Mass., and Hartford County, Conn., by G. R. Boynton, Peter Popenoe, and G. L. Zandle. 1965. Lat 42° to 42°07'30", long 72°45' to

- 72°52'30". Scale 1:24,000. Magnetic-contour interval 20 gammas. 23 by 28½ inches. 50¢.
- GP-535. Aeromagnetic map of part of the Tolland Center quadrangle, Berkshire and Hampden Counties, Mass., and Hartford and Litchfield Counties, Conn., by G. R. Boynton, Peter Popenoe, and G. L. Zandle. 1965. Lat 42° to 42°07'30", long 73° to 73°07'30". Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 23 by 28 inches. 50¢.
- GP-536. Aeromagnetic map of part of the West Granville quadrangle, Hampden County, Mass., and Hartford County, Conn., by G. R. Boynton, Peter Popenoe, and G. L. Zandle. 1965. Lat 42° to 42°07'30", long 72°52'30" to 73°. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 23 by 28 inches. 50¢.
- GP-537. Aeromagnetic map of the Woronoco quadrangle, Hampden and Hampshire Counties, Mass., by G. R. Boynton, Peter Popenoe, and G. L. Zandle. 1965. Lat 42°07'30" to 42°15', long 72°45' to 72°52'30". Scale 1:24,000. Magnetic-contour interval 20 gammas. 23 by 28 inches. 50¢.
- GP-538. Aeromagnetic map of the Boulder batholith area, southwestern Montana, by R. W. Johnson, Jr., J. R. Henderson, and N. S. Tyson. 1965. Lat 45°30' to 46°45', long 111°15' to 113°30'. Scale 1:250,000. Magnetic-contour intervals 20 and 100 gammas. 27 by 34 inches. 50¢.
- GP-539. Aeromagnetic map of the Jewett City quadrangle, New London County, Conn., by G. R. Boynton and C. W. Smith. 1965 [1966]. Lat 41°30' to 41°37'30", long 71°52'30" to 72°. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 28 inches. 50¢.
- GP-540. Aeromagnetic map of the Scotland quadrangle, Windham and New London Counties, Conn., by G. R. Boynton and C. W. Smith. 1965 [1966]. Lat 41°37'30" to 41°45', long 72° to 72°07'30". Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 28 inches. 50¢.
- GP-541. Aeromagnetic map of the Plainfield quadrangle, New London and Windham Counties, Conn., by G. R. Boynton and C. W. Smith. 1965 [1966]. Lat 41°37'30" to 41°45', long 71°52'30" to 72°. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 28 inches. 50¢.
- GP-542. Aeromagnetic map of the Oneco quadrangle, Connecticut and Rhode Island, by G. R. Boynton and C. W. Smith. 1965 [1966]. Lat 41°37'30" to 41°45', long 71°45' to 71°52'30". Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 28 inches. 50¢.
- GP-543. Aeromagnetic map of the Norwich quadrangle, New London County, Conn., by G. R. Boynton and C. W. Smith. 1965 [1966]. Lat 41°30' to 41°37'30", long 72° to 72°07'30". Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 28 inches. 50¢.
- GP-544. Aeromagnetic map of the Old Mystic quadrangle and part of the Mystic quadrangle, Connecticut and Rhode Island, by G. R. Boynton and C. W. Smith. 1965 [1966]. Lat about 41°18' to 41°30', long 71°52'30" to 72°. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 41 inches. 50¢.
- GP-545. Aeromagnetic map of the Voluntown quadrangle, Connecticut and Rhode Island, by G. R. Boynton and C. W. Smith. 1965 [1966]. Lat 41°30' to 41°37'30", long 71°45' to 71°52'30". Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 27 inches. 50¢.
- GP-546. Aeromagnetic map of the Uncasville quadrangle and part of the New London quadrangle, New London County, Conn., by G. R. Boynton

- and C. W. Smith. 1965 [1966]. Lat about 41°18' to 41°30', long 72° to 72°07'30". Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22½ by 41 inches. 50¢.
- GP-547. Aeromagnetic map of the Ashaway quadrangle and part of the Watch Hill quadrangle, Connecticut and Rhode Island, by C. R. Boynton and C. W. Smith. 1965 [1966]. Lat about 41°18' to 41°30', long 71°45' to 71°52'30". Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 41 inches. 50¢.
- GP-548. Aeromagnetic map of the Casa Grande area, Maricopa and Pinal Counties, Ariz., by C. M. Mitchell and G. L. Zandle. 1965. Lat 32°40' to 33°22'30", long vicinity 111°40' to 112°10'. Scale 1:62,500. Magnetic-contour interval 20 gammas. 36 by 52 inches. 50¢.
- GP-549. Aeromagnetic map of the Bangor quadrangle, New Jersey and Pennsylvania, by G. R. Boynton, D. R. Pittillo, and G. L. Zandle. 1966. Lat 40°45' to 40°52'30", long 75°07'30" to 75°15'. Scale 1:24,000. Magnetic-contour intervals 50 and 250 gammas. 23 by 27½ inches. 50¢.
- GP-550. Aeromagnetic map of the Belvidere quadrangle, New Jersey and Pennsylvania, by G. R. Boynton, D. R. Pittillo, and G. L. Zandle. 1966. Lat 40°45' to 40°52'30", long 75° to 75°07'30". Scale 1:24,000. Magnetic-contour intervals 50 and 250 gammas. 23 by 27½ inches. 50¢.
- GP-551. Aeromagnetic map of the Bloomsbury and part of the Easton quadrangles, New Jersey and Pennsylvania, by G. R. Boynton, D. R. Pittillo, and G. L. Zandle. 1966. Lat 40°37'30" to 40°45', long 75° to about 75°12'. Scale 1:24,000. Magnetic-contour intervals 50 and 250 gammas. 28 by 38 inches. 50¢.
- GP-552. Aeromagnetic map of the Frenchtown and part of the Riegelsville quadrangles, New Jersey and Pennsylvania, by G. R. Boynton, D. R. Pittillo, and G. L. Zandle. 1966. Lat 40°30' to 40°37'30", long 75° to 75°12'30". Scale 1:24,000. Magnetic-contour interval 50 gammas. 28 by 33 inches. 50¢.
- GP-553. Aeromagnetic map of parts of the Lambertville, Lumberville, and Stockton quadrangles, New Jersey and Pennsylvania, by G. R. Boynton, D. R. Pittillo, and G. L. Zandle. 1966. Lat 40°17'30" to 40°30', long 74°52'30" to 75°05'. Scale 1:24,000. Magnetic-contour interval 50 gammas. 32 by 43 inches. 50¢.
- GP-554. Aeromagnetic map of the Pittstown and part of the High Bridge quadrangles, Hunterdon County, N.J., by G. R. Boynton, D. R. Pittillo, and G. L. Zandle. 1966. Lat 40°30' to 40°42'30", long 74°52'30" to 75°. Scale 1:24,000. Magnetic-contour interval 50 gammas. 23½ by 43 inches. 50¢.
- GP-555. Natural gamma aeroradioactivity map of the Pittsburgh area, Pennsylvania, Ohio, West Virginia, and Maryland, by R. G. Bates. 1966. Lat about 39°45' to about 41°15', long 79° to 81°15'. Scale 1:250,000. 35½ by 41½ inches. 50¢.
- GP-556. Regional aeromagnetic map of western Lake Superior and adjacent parts of Minnesota, Michigan, and Wisconsin, by J. R. Kirby and A. J. Petty. 1966. Lat 46° to 47°45', long 90° to 92°15'. Scale 1:250,000. Magnetic-contour intervals 100 and 500 gammas. 30½ by 37 inches. 50¢.
- GP-557. Aeromagnetic map of the Denver area, Colorado, by A. J. Petty, J. L. Vargo, and F. C. Smith. 1966. Vicinity of lat 40°, long 104°30'.

- Scale 1:250,000. Magnetic-contour interval 20 gammas. 24 by 31 inches. 50¢.
- GP-558. Aeromagnetic map of the Seminoe Mountains and vicinity, Carbon County, Wyo., by P. W. Philbin and W. E. McCaslin. 1966. Lat 42°07'30" to 42°22'30", long 106°45' to 107°15'. Scale 1:48,000. Magnetic-contour intervals 10, 50, 100, and 500 gammas. 27½ by 40 inches. 50¢.
- GP-559. Aeromagnetic map of southeastern Minnesota, by P. W. Philbin and F. P. Gilbert. 1966. Lat 43°30' to 44°45', long 91°15' to 94°. Scale 1:250,000. Magnetic-contour intervals 20, 100, and 500 gammas. 27 by 38 inches. 50¢.
- GP-560. Aeromagnetic map of southwestern Minnesota, by P. W. Philbin and F. P. Gilbert. 1966. Lat 43°30' to about 44°33', long 94° to about 96°26'. Scale 1:250,000. Magnetic-contour intervals 20 and 100 gammas. 24 by 37½ inches. 50¢.
- GP-561. Aeromagnetic map of parts of the Mother Lode gold and Sierra Foothills copper mining districts, California, and its geologic interpretation, by J. R. Henderson, Jr., A. A. Stromquist, and Anna Jespersen. 1966. Lat 37°52'30" to 38°10', long 120° to 120°52'30". Scale 1:62,500. Magnetic-contour intervals 50, 250, and 500 gammas. 25½ by 58 inches. Accompanied by 4-page text. 75¢.
- GP-562. Aeromagnetic map of northern New Jersey and adjacent parts of New York and Pennsylvania, by J. R. Henderson, G. E. Andreassen, and A. J. Petty. 1966. Lat 40°30' to 41°30', long 73°50' to 75°15'. Scale 1:125,000. Magnetic-contour interval 50 gammas. 40 by 46 inches. 50¢.
- GP-563. Aeromagnetic and inferred Precambrian paleogeologic map of east-central Minnesota and part of Wisconsin, by P. K. Sims and Isidore Zietz. 1967. Lat 44°30' to 46°, long 92°30' to 94°40'. Scale 1:250,000. Magnetic-contour intervals 50, 250, and 1,000 gammas. 34½ by 42 inches. Accompanied by 6-page text. 75¢.
- GP-564. Natural gamma aeroradioactivity map of the Seneca and part of the Sterling quadrangles, Montgomery County, Md., and Loudoun and Fairfax Counties, Va., by Jean Blanchett, Andrew Griscom, and J. L. Vargo. 1966. Lat 39° to 39°07'30", long 77°15' to 77°25'. Scale 1:24,000. Aeroradioactivity contour interval 50 counts per second. 28 by 31 inches. 50¢.
- GP-565. Natural gamma aeroradioactivity map of the Rockville quadrangle, Montgomery County, Md., and Fairfax County, Va., by Jean Blanchett, Andrew Griscom, and J. L. Vargo. 1966. Lat 39° to 39°07'30", long 77°07'30" to 77°15'. Scale 1:24,000. Aeroradioactivity-contour interval 50 counts per second. 25½ by 28 inches. 50¢.
- GP-566. Natural gamma aeroradioactivity map of the Gaithersburg and part of the Sandy Spring quadrangles, Montgomery County, Md., by Jean Blanchett, Andrew Griscom, and F. C. Smith. 1966. Lat 39°07'30" to 39°15', long 77°05' to 77°15'. Scale 1:24,000. Aeroradioactivity-contour interval 50 counts per second. 28 by 31 inches. 50¢.
- GP-567. Natural gamma aeroradioactivity map of the Germantown and part of the Poolesville quadrangles, Montgomery and Frederick Counties, Md., by Jean Blanchett, Andrew Griscom, and F. C. Smith. 1966. Lat 39°07'30" to 39°15', long 77°15' to 77°25'. Scale 1:24,000. Aeroradioactivity-contour interval 50 counts per second. 28 by 31 inches. 50¢.
- GP-568. Natural gamma aeroradioactivity map of the Bangor quadrangle,

- New Jersey and Pennsylvania, by G. R. Boynton, D. R. Pittillo, and G. L. Zandle. 1966. Lat 40°45' to 40°52'30", long 75°07'30" to 75°15'. Scale 1:24,000. Aeroradioactivity-contour interval 50 counts per second. 23½ by 27½ inches. 50¢.
- GP-569. Natural gamma aeroradioactivity map of the Belvidere quadrangle, New Jersey and Pennsylvania, by G. R. Boynton, D. R. Pittillo, and G. L. Zandle. 1966. Lat 40°45' to 40°52'30", long 75° to 75°07'30". Scale 1:24,000. Aeroradioactivity-contour interval 50 counts per second. 23 by 27 inches. 50¢.
- GP-570. Natural gamma aeroradioactivity map of the Bloomsbury and part of the Easton quadrangles, New Jersey and Pennsylvania, by G. R. Boynton, D. R. Pittillo, and G. L. Zandle. 1966. Lat 40°37'30" to 40°45', long 75° to 75°15'. Scale 1:24,000. Aeroradioactivity-contour interval 50 counts per second. 28 by 37 inches. 50¢.
- GP-571. Natural gamma aeroradioactivity map of the Frenchtown and part of the Riegelsville quadrangles, New Jersey and Pennsylvania, by G. R. Boynton, D. R. Pittillo, and G. L. Zandle. 1966. Lat 40°30' to 40°37'30", long 75° to 75°12'30". Scale 1:24,000. Aeroradioactivity-contour interval 50 counts per second. 27½ by 32 inches. 50¢.
- GP-572. Natural gamma aeroradioactivity map of parts of the Lambertville, Lumberville, and Stockton quadrangles, New Jersey and Pennsylvania, by G. R. Boynton, D. R. Pittillo, and G. L. Zandle. 1966. Lat 40°17'30" to 40°30', long 74°52'30" to 75°05'. Scale 1:24,000. Aeroradioactivity-contour interval 50 counts per second. 32 by 43½ inches. 50¢.
- GP-573. Natural gamma aeroradioactivity map of the Pittstown and part of the High Bridge quadrangles, Hunterdon County, N.J., by G. R. Boynton, D. R. Pittillo, and G. L. Zandle. 1966. Lat 40°30' to 40°42'30", long 74°52'30" to 75°. Scale 1:24,000. Aeroradioactivity-contour interval 50 counts per second. 23½ by 43 inches. 50¢.
- GP-574. Aeromagnetic map of Sacramento and vicinity, California, by J. L. Meuschke, J. A. Pitkin, and C. W. Smith. 1966. Vicinity of lat 38°30', long 121°30'. Scale 1:250,000. Magnetic-contour intervals 20 and 100 gammas. 20 by 43 inches. 50¢.
- GP-575. Aeromagnetic map of Hopi Buttes and vicinity, Navajo County, Ariz., by C. M. Mitchell and J. L. Vargo. 1966. Lat 35°15' to 35°35', long 110° to 110°45'. Scale 1:125,000. Magnetic-contour intervals 20 and 100 gammas. 17 by 28 inches. 50¢.
- GP-576. Aeromagnetic map of Florence-Goodman area, Florence, Forest, and Marinette Counties, Wis., by E. R. King, J. R. Henderson, and J. L. Vargo. 1966. Lat 45°35' to 46°, long 88° to 88°45'. Scale 1:62,500. Magnetic-contour intervals 25, 50, 250, and 1,000 gammas. 35½ by 40 inches. 50¢.
- GP-577. Aeromagnetic and generalized geologic map of southeastern Pennsylvania, by R. W. Bromery and Andrew Griscom. 1967. Scale 1:125,000. Magnetic-contour interval 250 gammas. Two sheets, each 40 by 47 inches. \$1.25 per set.
- GP-578. Aeromagnetic map of parts of the Ironwood and Wakefield quadrangles, Gogebic County, Mich., and Iron and Vilas Counties, Wis., by P. W. Philbin and J. L. Vargo. 1966. Lat 46°15' to 46°30', long 89°50' to 90°15'. Scale 1:62,500. Magnetic-contour intervals 50 and 250 gammas. 23 by 29½ inches. 50¢.

- GP-579. Aeromagnetic map of parts of the Thomaston, Carp River, North Ironwood, and Little Girls Point quadrangles, Gogebic and Ontonagon Counties, Mich., and Iron County, Wis., by P. W. Philbin and J. L. Vargo. 1966. Lat $46^{\circ}30'$ to $46^{\circ}50'$, long $89^{\circ}45'$ to $90^{\circ}30'$. Scale 1:62,500. Magnetic-contour intervals 50 and 250 gammas. 29 by 39 inches. 50¢.
- GP-580. Simple Bouguer gravity map of Maine, by M. F. Kane and R. W. Bromery. 1966. Scale 1:500,000. Gravity-contour interval 2 milligals. 29 by 44 inches. 50¢.
- GP-581. Aeromagnetic map of the Mount Pleasant, Albemarle, Denton, and Salisbury quadrangles, west-central North Carolina, by J. R. Henderson and F. P. Gilbert. 1966. Lat $35^{\circ}15'$ to $35^{\circ}45'$, long 80° to $80^{\circ}30'$. Scale 1:62,500. Magnetic-contour intervals 20 and 100 gammas. 38 by 40 inches. 50¢.
- GP-582. Simple Bouguer gravity map of the Mount Pleasant, Albemarle, Denton, and Salisbury quadrangles, west-central North Carolina, by J. S. Watkins and Zvi Yuval. 1966. Lat $35^{\circ}15'$ to $35^{\circ}45'$, long 80° to $80^{\circ}30'$. Scale 1:62,500. Gravimetric-contour interval 1 milligal. 38 by 40 inches. 50¢.
- GP-583. Aeromagnetic map of the Ellsworth quadrangle, Litchfield County, Conn., by P. W. Philbin and C. W. Smith. 1966. Lat $41^{\circ}45'$ to $41^{\circ}52'30''$, long $73^{\circ}22'30''$ to $73^{\circ}30'$. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 28 inches. 50¢.
- GP-584. Aeromagnetic map of the Cornwall quadrangle, Litchfield County, Conn., by P. W. Philbin and C. W. Smith. 1966. Lat $41^{\circ}45'$ to $41^{\circ}52'30''$, long $73^{\circ}15'$ to $73^{\circ}22'30''$. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 28 inches. 50¢.
- GP-585. Aeromagnetic map of the Spring Hill quadrangle, Tolland and Windham Counties, Conn., by P. W. Philbin and C. W. Smith. 1966. Lat $41^{\circ}45'$ to $41^{\circ}52'30''$, long $72^{\circ}07'30''$ to $72^{\circ}15'$. Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 28 inches. 50¢.
- GP-586. Aeromagnetic map of the South Coventry quadrangle, Tolland County, Conn., by P. W. Philbin and C. W. Smith. 1966. Lat $41^{\circ}45'$ to $41^{\circ}52'30''$, long $72^{\circ}15'$ to $72^{\circ}22'30''$. Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 28 inches. 50¢.
- GP-587. Aeromagnetic map of the Rockville quadrangle, Hartford and Tolland Counties, Conn., by P. W. Philbin and C. W. Smith. 1966. Lat $41^{\circ}45'$ to $41^{\circ}52'30''$, long $72^{\circ}22'30''$ to $72^{\circ}30'$. Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 28 inches. 50¢.
- GP-588. Aeromagnetic map of the Collinsville quadrangle, Litchfield and Hartford Counties, Conn., by P. W. Philbin and C. W. Smith. 1966. Lat about $41^{\circ}45'$ to $41^{\circ}52'30''$, long $72^{\circ}52'30''$ to 73° . Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by $27\frac{1}{2}$ inches. 50¢.
- GP-589. Aeromagnetic map of the Torrington quadrangle, Litchfield and Hartford Counties, Conn., by P. W. Philbin and C. W. Smith. 1966. Lat $41^{\circ}45'$ to $41^{\circ}52'30''$, long 73° to $73^{\circ}07'30''$. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 28 inches. 50¢.
- GP-590. Aeromagnetic map of the West Torrington quadrangle, Litchfield County, Conn., by P. W. Philbin and C. W. Smith. 1966. Lat $41^{\circ}45'$ to $41^{\circ}52'30''$, long $73^{\circ}07'30''$ to $73^{\circ}15'$. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 28 inches. 50¢.
- GP-591. Aeromagnetic map of the East Killingly quadrangle and part of

- the Oneco quadrangle, Connecticut and Rhode Island, by P. W. Philbin and C. W. Smith. 1966. Lat about $41^{\circ}45'$ to $41^{\circ}52'30''$, long $71^{\circ}45'$ to $71^{\circ}52'30''$. Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 28 inches. 50¢.
- GP-592. Aeromagnetic map of the Danielson quadrangle and part of the Plainfield quadrangle, Windham County, Conn., by P. W. Philbin and C. W. Smith. 1966. Lat about $41^{\circ}45'$ to $41^{\circ}52'30''$, long $71^{\circ}52'30''$ to 72° . Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 28 inches. 50¢.
- GP-593. Aeromagnetic map of the Hampton quadrangle and part of the Scotland quadrangle, Windham County, Conn., by P. W. Philbin and C. W. Smith. 1966. Lat about $41^{\circ}45'$ to $41^{\circ}52'30''$, long 72° to $72^{\circ}07'30''$. Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by $28\frac{1}{2}$ inches. 50¢.
- GP-594. Aeromagnetic map of the Avon quadrangle, Hartford County, Conn., by P. W. Philbin and C. W. Smith. 1966. Lat $41^{\circ}45'$ to $41^{\circ}52'30''$, long $72^{\circ}45'$ to $72^{\circ}52'30''$. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by $28\frac{1}{2}$ inches. 50¢.
- GP-595. Aeromagnetic map of the Hartford North quadrangle, Hartford County, Conn., by P. W. Philbin and C. W. Smith. 1966. Lat $41^{\circ}45'$ to $41^{\circ}52'30''$, long $72^{\circ}37'30''$ to $72^{\circ}45'$. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by $27\frac{1}{2}$ inches. 50¢.
- GP-596. Aeromagnetic map of the Manchester quadrangle, Hartford and Tolland Counties, Conn., by P. W. Philbin and C. W. Smith. 1966. Lat $41^{\circ}45'$ to $41^{\circ}52'30''$, long $72^{\circ}30'$ to $72^{\circ}37'30''$. Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 28 inches. 50¢.
- GP-597. Aeromagnetic and gravity profiles of the United States along the 37th parallel—A contribution to the upper mantle project, by Isidore Zietz and J. R. Kirby. 1967. Lat 35° to 39° , long 70° to 125° . Scale 1:2,500,000. 27 by $38\frac{3}{4}$ inches. 50¢.
- GP-598. Aeromagnetic map of the San Francisco Mountains and vicinity, southwestern Utah. 1966. Lat $38^{\circ}15'$ to $38^{\circ}45'$, long 113° to $113^{\circ}30'$. Scale 1:62,500. Magnetic-contour interval 20 gammas. 34 by 40 inches. 50¢.
- GP-599. Aeromagnetic map of the Pelkie quadrangle, Baraga and Houghton Counties, Mich. 1967. Lat $46^{\circ}45'$ to 47° , long $88^{\circ}30'$ to $88^{\circ}45'$. Scale 1:62,500. Magnetic-contour interval 50 gammas. 19 by $22\frac{1}{2}$ inches. 50¢.
- GP-600. Aeromagnetic map of the Perch Lake quadrangle, Houghton, Baraga, and Iron Counties, Mich. 1967. Lat $46^{\circ}15'$ to $46^{\circ}30'$, long $88^{\circ}30'$ to $88^{\circ}45'$. Scale 1:62,500. Magnetic-contour intervals 50, 250, 500, and 1,000 gammas. 19 by 22 inches. 50¢.
- GP-601. Aeromagnetic map of the Sidnaw quadrangle, Houghton and Baraga Counties, Mich. 1967. Lat $46^{\circ}30'$ to $46^{\circ}45'$, long 88° to $88^{\circ}45'$. Scale 1:62,500. Magnetic-contour interval 50 gammas. 19 by 22 inches. 50¢.
- GP-602. Aeromagnetic map of part of the Winona quadrangle, Ontonagon and Houghton Counties, Mich. 1967. Lat $46^{\circ}45'$ to 47° , long $88^{\circ}45'$ to 89° . Scale 1:62,500. Magnetic-contour intervals 50 and 250 gammas. 19 by $22\frac{1}{2}$ inches. 50¢.
- GP-603. Aeromagnetic map of part of the Beechwood quadrangle, Michigan

- and Wisconsin. 1967. Lat 46° to 46°15', long 88°45' to 89°. Scale 1:62,500. Magnetic-contour interval 50 gammas. 19 by 22½ inches. 50¢.
- GP-604. Aeromagnetic map of the Kenton quadrangle, Gogebic, Ontonagon, Iron, and Houghton Counties, Mich. 1967. Lat 46°15' to 46°30', long 88°45' to 89°. Scale 1:62,500. Magnetic-contour interval 50 gammas. 19 by 22½ inches. 50¢.
- GP-605. Aeromagnetic map of Iron River and vicinity, Michigan and Wisconsin. 1967. Lat 46° to 46°15', long 88°30' to 88°45'. Scale 1:62,500. Magnetic-contour intervals 50 and 250 gammas. 19 by 22½ inches. 50¢.
- GP-606. Aeromagnetic map of the Rousseau quadrangle, Ontonagon and Houghton Counties, Mich. 1967. Lat 46°30' to 46°45', long 88°45' to 89°. Scale 1:62,500. Magnetic-contour interval 50 gammas. 19 by 22½ inches. 50¢.
- GP-607. Aeromagnetic map of the Crystal Falls quadrangle and part of the Florence quadrangle, Iron County, Mich. 1967. Lat 46° to 46°15', long 88°15' to 88°30'. Scale 1:62,500. Magnetic-contour intervals 50, 250, and 1,000 gammas. 19 by 27 inches. 50¢.
- GP-608. Aeromagnetic map of the Keweenaw Bay area, Michigan. 1967. Lat 46°30' to 47°, long 88°05' to 88°30'. Scale 1:62,500. Magnetic-contour intervals 50, 250, and 1,000 gammas. 23 by 40 inches. 50¢.
- GP-609. Aeromagnetic map of the Ned Lake quadrangle and part of the Witch Lake quadrangle, Iron, Baraga, and Marquette Counties, Mich. 1967. Lat 46°15' to 46°30', long 88°05' to 88°30'. Scale 1:62,500. Magnetic-contour intervals 50, 250, 1,000, and 5,000 gammas. 24 by 47 inches. 50¢.
- GP-610. Aeromagnetic map of parts of the Ralph and Norway quadrangles, Dickinson County, Mich. 1967. Lat 45°45' to 46°07'30", long 87°45' to 88°. Scale 1:62,500. Magnetic-contour intervals 50, 250, 500, 1,000, and 5,000 gammas. 19 by 33 inches. 50¢.
- GP-611. Aeromagnetic map of the Sagola quadrangle and part of the Iron Mountain quadrangle, Dickinson, Iron, and Marquette Counties, Mich. 1967. Lat 45°45' to 46°15', long 88° to 88°15'. Scale 1:62,500. Magnetic-contour intervals 50, 250, and 1,000 gammas. 15 by 40 inches. 50¢.
- GP-612. Simple Bouguer gravity map of Massachusetts, by R. W. Bromery. 1967. Lat 41°05' to 42°45', long 70° to 72°. Scale 1:250,000. Gravimetric-contour interval 5 milligals. 35 by 50 inches. 50¢.
- GP-613. Aeromagnetic map of Baltimore County and Baltimore City, Md., by R. W. Bromery. 1967. Lat about 39°08' to 39°44', long 76°17' to 76°55'. Scale 1:62,500. Magnetic-contour intervals 25 and 125 gammas. 36½ by 46 inches. 50¢.
- GP-614. Simple Bouguer gravity map of Baltimore County and Baltimore City, Md., by R. W. Bromery. 1967. Lat about 39°08' to 39°44', long 76°17' to 76°55'. Scale 1:62,500. 36½ by 46 inches. 50¢.
- GP-615. Bouguer gravity map of parts of Maricopa, Pima, Pinal, and Yuma Counties, Ariz., by D. L. Peterson. 1968. Vicinity of lat 32°22'30" to 33°45', long 111° to 113°30'. Scale 1:250,000. Gravity-contour interval 2 milligals. 29 by 40 inches. 50¢.
- GP-616. Aeromagnetic map of the Kabetogama Lake-Grassy Lake area, St. Louis County, Minn. 1968. Lat 48° to 48°40', long 92° to 93°. Scale 1:250,000. Magnetic-contour intervals 20 and 100 gammas. 17 by 18 inches. 50¢.

- GP-617. Aeromagnetic map of the Palmer quadrangle, Hampden, Hampshire, and Worcester Counties, Mass. 1968. Lat $42^{\circ}07'30''$ to $42^{\circ}15'$, long $72^{\circ}15'$ to $72^{\circ}22'30''$. Scale 1:24,000. Magnetic-contour interval 20 gammas. 25 by 28 inches. 50¢.
- GP-618. Aeromagnetic map of the Springfield North quadrangle, Hampden and Hampshire Counties, Mass. 1968. Lat $42^{\circ}07'30''$ to $42^{\circ}15'$, long $72^{\circ}30'$ to $72^{\circ}37'30''$. Scale 1:24,000. Magnetic-contour interval 20 gammas. 25 by 28 inches. 50¢.
- GP-619. Aeromagnetic map of the Ludlow quadrangle, Hampden and Hampshire Counties, Mass. 1968. Lat $42^{\circ}07'30''$ to $42^{\circ}15'$, long $72^{\circ}22'30''$ to $72^{\circ}30'$. Scale 1:24,000. Magnetic-contour interval 20 gammas. 25 by 28 inches. 50¢.
- GP-620. Aeromagnetic map of the Warren quadrangle, Worcester, Hampden, and Hampshire Counties, Mass. 1968. Lat $42^{\circ}07'30''$ to $42^{\circ}15'$, long $72^{\circ}07'30''$ to $72^{\circ}15'$. Scale 1:24,000. Magnetic-contour interval 20 gammas. 25 by 28 inches. 50¢.
- GP-621. Aeromagnetic map of the East Brookfield quadrangle, Worcester County, Mass. 1968. Lat $42^{\circ}07'30''$ to $42^{\circ}15'$, long 72° to $72^{\circ}07'30''$. Scale 1:24,000. Magnetic-contour interval 20 gammas. 25 by 28 inches. 50¢.
- GP-622. Aeromagnetic map of the Mount Tom quadrangle and part of the Woronoco quadrangle, Hampden and Hampshire Counties, Mass. 1968. Lat $42^{\circ}07'30''$ to $42^{\circ}15'$, long $72^{\circ}37'30''$ to $72^{\circ}45'$. Scale 1:24,000. Magnetic-contour interval 20 gammas. 25 by 28 inches. 50¢.
- GP-623. Aeromagnetic map of the Worcester South quadrangle, Worcester County, Mass. 1968. Lat $42^{\circ}07'30''$ to $42^{\circ}15'$, long $71^{\circ}45'$ to $71^{\circ}52'30''$. Scale 1:24,000. Magnetic-contour interval 20 gammas. 25 by 28 inches. 50¢.
- GP-624. Aeromagnetic map of the Leicester quadrangle, Worcester County, Mass. 1968. Lat $42^{\circ}07'30''$ to $42^{\circ}15'$, long $71^{\circ}52'30''$ to 72° . Scale 1:24,000. Magnetic-contour interval 20 gammas. 25 by 28 inches. 50¢.
- GP-625. Aeromagnetic map of the Chester quadrangle and parts of the Beckett and Blandford quadrangles, Berkshire, Hampden, and Hampshire Counties, Mass. 1968. Lat $42^{\circ}15'$ to $42^{\circ}22'30''$, long $72^{\circ}52'30''$ to 73° . Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 31 inches. 50¢.
- GP-626. Aeromagnetic map of the Goshen quadrangle and part of the Ashfield quadrangle, Franklin and Hampshire Counties, Mass. 1968. Lat $42^{\circ}22'30''$ to $42^{\circ}30'$, long $72^{\circ}45'$ to $72^{\circ}52'30''$. Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 31 inches. 50¢.
- GP-627. Aeromagnetic map of the Worthington quadrangle and parts of the Plainfield and Peru quadrangles, Berkshire and Hampshire Counties, Mass. 1968. Lat $42^{\circ}22'30''$ to $42^{\circ}30'$, long $72^{\circ}52'30''$ to 73° . Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 31 inches. 50¢.
- GP-628. Aeromagnetic map of the Westhampton quadrangle and part of the Woronoco quadrangle, Hampshire County, Mass. 1968. Lat $42^{\circ}15'$ to $42^{\circ}22'30''$, long $72^{\circ}45'$ to $72^{\circ}52'30''$. Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 31 inches. 50¢.
- GP-629. Aeromagnetic map of the Hampden quadrangle, Hampden County, Mass., and Tolland County, Conn. 1968. Lat 42° to $42^{\circ}07'30''$, long $72^{\circ}22'30''$ to $72^{\circ}30'$. Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 31 inches. 50¢.

- GP-630. Aeromagnetic map of the Monson quadrangle, Hampden County, Mass., and Tolland County, Conn. 1968. Lat 42° to $42^{\circ}07'30''$, long $72^{\circ}15'$ to $72^{\circ}22'30''$. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by $30\frac{1}{2}$ inches. 50¢.
- GP-631. Aeromagnetic map of the Southbridge quadrangle, Worcester County, Mass., and Windham and Tolland Counties, Conn. 1968. Lat 42° to $42^{\circ}07'30''$, long 72° to $72^{\circ}07'30''$. Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 31 inches. 50¢.
- GP-632. Aeromagnetic map of the Springfield South quadrangle, Hampden County, Mass., and Hartford and Tolland Counties, Conn. 1968. Lat 42° to $42^{\circ}07'30''$, long $72^{\circ}30'$ to $72^{\circ}37'30''$. Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 31 inches. 50¢.
- GP-633. Aeromagnetic map of the Wales quadrangle, Hampden and Worcester Counties, Mass., and Tolland County, Conn. 1968. Lat 42° to $42^{\circ}07'30''$, long $72^{\circ}07'30''$ to $72^{\circ}15'$. Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 31 inches. 50¢.
- GP-634. Aeromagnetic map of the Webster quadrangle, Worcester County, Mass., and Windham County, Conn. 1968. Lat 42° to $42^{\circ}07'30''$, long $71^{\circ}52'30''$ to 72° . Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 31 inches. 50¢.
- GP-635. Aeromagnetic map of the West Springfield quadrangle and part of the Southwick quadrangle, Hampden County, Mass., and Hartford County, Conn. 1968. Lat 42° to $42^{\circ}07'30''$, long $72^{\circ}37'30''$ to $72^{\circ}45'$. Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 31 inches. 50¢.
- GP-636. Aeromagnetic map of central Pine County, Minn., and adjacent parts of Wisconsin. 1968. Lat 46° to $46^{\circ}15'$, long $92^{\circ}15'$ to 93° . Scale 1:62,500. 24 by $41\frac{1}{2}$ inches. 50¢.
- GP-637. Aeromagnetic map of the Hot Creek Range region, south-central Nevada. 1968. Lat $37^{\circ}45'$ to $39^{\circ}30'$, long $115^{\circ}45'$ to 117° . Scale 1:250,000. Magnetic-contour interval 20 gammas. 24 by 35 inches. 50¢.
- GP-638. Gravity map of the Trinidad quadrangle, Colo., by D. L. Peterson, Peter Popenoe, J. R. Gaca, and D. E. Karig. 1968. Lat 37° to 38° , long 104° to 106° . Scale 1:250,000. Contour interval 5 milligals. 22 by $33\frac{1}{2}$ inches. 50¢.
- GP-639. Aeromagnetic map of the McNair-Grand Portage area, north-eastern Minnesota. 1969. Lat $47^{\circ}15'$ to 48° , long $89^{\circ}45'$ to $91^{\circ}45'$. Scale 1:125,000. Magnetic-contour intervals 100 and 500 gammas. 34 by 57 inches. 50¢.
- GP-640. Aeromagnetic map of the Sharon quadrangle and parts of the Ellsworth and Bashbush Falls quadrangles, Connecticut and New York. 1969. Lat $41^{\circ}52'$ to $42^{\circ}30'$, long $73^{\circ}22'30''$ to $73^{\circ}30'$. Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 34 inches. 50¢.
- GP-641. Aeromagnetic map of the South Canaan quadrangle and parts of the Cornwall and Ashley Falls quadrangles, Litchfield County, Conn. 1969. Lat about $41^{\circ}52'$ to 42° , long $73^{\circ}15'$ to $73^{\circ}22'30''$. Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 34 inches. 50¢.
- GP-642. Aeromagnetic map of the Norfolk quadrangle and parts of the West Torrington and South Sandisfield quadrangles, Litchfield County, Conn. 1969. Lat about $41^{\circ}51'50''$ to about $42^{\circ}40'$, long $73^{\circ}07'30''$ to $73^{\circ}15'$. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 34 inches. 50¢.

- GP-643. Aeromagnetic map of the Winsted quadrangle and parts of the Torrington and Tolland Center quadrangles, Litchfield and Hartford Counties, Conn. 1969. Lat about $41^{\circ}52'$ to about $42^{\circ}30'$, long 73° to $73^{\circ}07'30''$. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 34 inches. 50¢.
- GP-644. Aeromagnetic map of the New Hartford quadrangle and parts of the Collinsville and West Granville quadrangles, Litchfield and Hartford Counties, Conn. 1969. Lat about $41^{\circ}51'50''$ to about $42^{\circ}40'$, long $72^{\circ}52'30''$ to 73° . Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 34 inches. 50¢.
- GP-645. Aeromagnetic map of the Tariffville quadrangle and parts of the Avon and Southwick quadrangles, Connecticut and Massachusetts. 1969. Lat about $41^{\circ}51'50''$ to about $42^{\circ}40'$, long $72^{\circ}45'$ to $72^{\circ}52'30''$. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 34 inches. 50¢.
- GP-646. Aeromagnetic map of the Windsor Locks quadrangle and part of the Hartford North quadrangle, Hartford County, Conn. 1969. Lat about $41^{\circ}52'$ to 42° , long $72^{\circ}37'30''$ to $72^{\circ}45'$. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. Sheet 22 by 34 inches. 50¢.
- GP-647. Aeromagnetic map of the Broad Brook quadrangle and part of the Manchester quadrangle, Hartford and Tolland Counties, Conn. 1969. Lat about $41^{\circ}52'$ to 42° , long $72^{\circ}30'$ to $72^{\circ}37'30''$. Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 34 inches. 50¢.
- GP-648. Aeromagnetic map of the Ellington quadrangle and part of the Rockville quadrangle, Hartford and Tolland Counties, Conn. 1969. Lat about $41^{\circ}51'50''$ to about $42^{\circ}40'$, long $72^{\circ}22'30''$ to $72^{\circ}30'$. Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by $33\frac{1}{2}$ inches. 50¢.
- GP-649. Aeromagnetic map of the Stafford Springs quadrangle and part of the South Coventry quadrangle, Tolland County, Conn. 1969. Lat about $41^{\circ}52'$ to 42° , long $72^{\circ}15'$ to $72^{\circ}22'30''$. Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 34 inches. 50¢.
- GP-650. Aeromagnetic map of the Westford quadrangle and part of the Spring Hill quadrangle, Tolland and Windham Counties, Conn. 1969. Lat about $41^{\circ}52'$ to 42° , long $72^{\circ}07'30''$ to $72^{\circ}15'$. Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 34 inches. 50¢.
- GP-651. Aeromagnetic map of the Eastford quadrangle and part of the Hampton quadrangle, Tolland and Windham Counties, Conn. 1969. Lat about $41^{\circ}51'50''$ to about $42^{\circ}40'$, long 72° to $72^{\circ}07'30''$. Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 34 inches. 50¢.
- GP-652. Aeromagnetic map of the Putnam quadrangle and part of the Danielson quadrangle, Windham County, Conn. 1969. Lat about $41^{\circ}51'50''$ to about $42^{\circ}40'$, long $71^{\circ}52'30''$ to 72° . Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 34 inches. 50¢.
- GP-653. Aeromagnetic map of the Thompson quadrangle and part of the East Killingly quadrangle, Connecticut and Rhode Island. 1969. Lat about $41^{\circ}52'$ to 42° , long $71^{\circ}45'$ to $71^{\circ}52'30''$. Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 34 inches. 50¢.
- GP-654. Aeromagnetic map of the First Connecticut Lake and vicinity, northern New Hampshire. 1969. Lat 45° to $45^{\circ}20'$, long $71^{\circ}05'$ to $71^{\circ}30'$. Scale 1:62,500. Magnetic-contour intervals 20 and 100 gammas. 27 by 29 inches. 50¢.

- GP-655. Aeromagnetic map of the Colebrook-Umbagog Lake area, New Hampshire and Vermont. 1969. Lat $44^{\circ}45'$ to 45° , long $71^{\circ}02'30''$ to $71^{\circ}36'$. Scale 1:62,500. Magnetic-contour intervals 20 and 100 gammas. 22 by 34 inches. 50¢.
- GP-656. Aeromagnetic map of Beach Hill and vicinity, New Hampshire and Vermont. 1969. Lat $44^{\circ}25'$ to $44^{\circ}45'$, long $71^{\circ}20'$ to $71^{\circ}35'$. Scale 1:62,500. Magnetic-contour intervals 20 and 100 gammas. 20 by 28 inches. 50¢.
- GP-657. Aeromagnetic strip map across the central Sierra Nevada, Calif. 1969. Lat 37° to $37^{\circ}15'$, long 118° to 121° . Scale 1:125,000. Magnetic-contour intervals 10 and 50 gammas. 35 by 38 inches. 50¢.
- GP-658. Natural gamma aeroradioactivity map of the Minneapolis-Saint Paul area, Minnesota-Wisconsin, by S. K. Neuschel. 1969. Lat about $44^{\circ}32'30''$ to 46° , long $92^{\circ}30'$ to $94^{\circ}50'$. Scale 1:250,000. 31 by $45\frac{1}{2}$ inches. 50¢.
- GP-659. Aeromagnetic map of the Williamsburg quadrangle and part of the Shelburne Falls quadrangle, Franklin and Hampshire Counties, Mass. 1969. Lat $42^{\circ}22'30''$ to $42^{\circ}30'$, long $72^{\circ}37'30''$ to $72^{\circ}45'$. Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 34 inches. 50¢.
- GP-660. Aeromagnetic map of the Mt. Toby quadrangle and part of the Greenfield quadrangle, Franklin and Hampshire Counties, Mass. 1969. Lat $42^{\circ}22'30''$ to $42^{\circ}30'$, long $72^{\circ}30'$ to $72^{\circ}37'30''$. Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 34 inches. 50¢.
- GP-661. Aeromagnetic map of the Easthampton quadrangle, Hampshire and Hampden Counties, Mass. 1969. Lat $42^{\circ}15'$ to $42^{\circ}22'30''$, long $72^{\circ}37'30''$ to $72^{\circ}45'$. Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 34 inches. 50¢.
- GP-662. Aeromagnetic map of the Mt. Holyoke quadrangle, Hampshire and Hampden Counties, Mass. 1969. Lat $42^{\circ}15'$ to $42^{\circ}22'30''$, long $72^{\circ}30'$ to $72^{\circ}37'30''$. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 34 inches. 50¢.
- GP-663. Aeromagnetic map of the Belchertown quadrangle, Hampshire County, Mass. 1969. Lat $42^{\circ}15'$ to $42^{\circ}22'30''$, long $72^{\circ}22'30''$ to $72^{\circ}30'$. Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 34 inches. 50¢.
- GP-664. Aeromagnetic map of the Winsor Dam quadrangle, Hampshire, Worcester, and Franklin Counties, Mass. 1969. Lat $42^{\circ}15'$ to $42^{\circ}22'30''$, long $72^{\circ}15'$ to $72^{\circ}22'30''$. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 34 inches. 50¢.
- GP-665. Aeromagnetic map of the Ware quadrangle, Worcester and Hampshire Counties, Mass. 1969. Lat $42^{\circ}15'$ to $42^{\circ}22'30''$, long $72^{\circ}07'30''$ to $72^{\circ}15'$. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 34 inches. 50¢.
- GP-666. Aeromagnetic map of the North Brookfield quadrangle, Worcester County, Mass. 1969. Lat $42^{\circ}15'$ to $42^{\circ}22'30''$, long 72° to $72^{\circ}07'30''$. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 34 inches. 50¢.
- GP-667. Aeromagnetic map of the Paxton quadrangle, Worcester County, Mass. 1969. Lat $42^{\circ}15'$ to $42^{\circ}22'30''$, long $71^{\circ}52'30''$ to 72° . Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 34 inches. 50¢.
- GP-668. Aeromagnetic map of the Worcester North quadrangle, Worcester

- County, Mass. 1969. Lat 42°15' to 42°22'30", long 71°45' to 71°52'30". Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 33½ inches. 50¢.
- GP-669. Aeromagnetic map of the Harrisburg-Scranton area, northeastern Pennsylvania. 1969. Lat 40° to 41°52'30", long 75°22'30" to 77°. Scale 1:250,000. Magnetic-contour intervals 20 and 100 gammas. 24½ by 35½ inches. 50¢.
- GP-670. Aeromagnetic map of the Custer-Rapid City area, southwestern South Dakota. 1969. Lat 43°37'30" to 44°10', long 103°15' to 103°52'30". Scale 1:62,500. Magnetic-contour interval 20 gammas. 38 by 43 inches. 50¢.
- GP-671. Aeromagnetic map of the northern Mother Lode area, California. 1969. Lat 38°10' to 38°45', long 120°30' to 121°. Scale 1:62,500. Magnetic-contour intervals 50 and 250 gammas. 34 by 45 inches. 50¢.
- GP-672. Aeromagnetic map of the Shrewsbury quadrangle, Worcester County, Mass. 1969. Lat 42°15' to 42°22'30", long 71°37'30" to 71°45'. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 34 inches. 50¢.
- GP-673. Aeromagnetic map of the Marlboro quadrangle, Middlesex and Worcester Counties, Mass. 1969. Lat 42°15' to 42°22'30", long 71°30' to 71°37'30". Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 34 inches. 50¢.
- GP-674. Aeromagnetic map of the Framingham quadrangle, Middlesex and Worcester Counties, Mass. 1969. Lat 42°15' to 42°22'30", long 71°22'30" to 71°30'. Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 34 inches. 50¢.
- GP-675. Aeromagnetic map of the Natick quadrangle, Middlesex and Norfolk Counties, Mass. 1969. Lat 42°15' to 42°22'30", long 71°15' to 71°22'30". Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 34 inches. 50¢.
- GP-676. Aeromagnetic map of the Newton quadrangle, Middlesex, Norfolk, and Suffolk Counties, Mass. 1969. Lat 42°15' to 42°22'30", long 71°07'30" to 71°15'. Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 34 inches. 50¢.
- GP-677. Aeromagnetic map of the Boston South quadrangle, Middlesex, Norfolk, and Suffolk Counties, Mass. 1969. Lat 42°15' to 42°22'30", long 71° to 71°07'30". Scale 1:24,000. Magnetic-contour intervals 20, 100, and 500 gammas. 22 by 34 inches. 50¢.
- GP-678. Aeromagnetic map of the Hull quadrangle, Suffolk, Norfolk, and Plymouth Counties, Mass. 1969. Lat 42°15' to 42°22'30", long 70°52'30" to 71°. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 34 inches. 50¢.
- GP-679. Aeromagnetic map of the Nantasket quadrangle, Suffolk, Norfolk, and Plymouth Counties, Mass. 1969. Lat 42°15' to 42°22'30", long 70°45' to 70°52'30". Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 34 inches. 50¢.
- GP-680. Aeromagnetic map of parts of the Kramer and Boron quadrangles, southeastern California. 1970. Lat 34°47'30" to 35°07'30", long 117°30' to 117°45'. Scale 1:62,500. Magnetic-contour intervals 10 and 50 gammas. 22 by 28 inches. 50¢.
- GP-681. Aeroradioactivity map of the Chicago area, Illinois and Indiana, by

- G. M. Flint, Jr., and J. A. Pitkin. 1970. Lat 40°45' to 42°30', long 87° to 89°15'. Scale 1:250,000. 33 by 37 inches. 50¢.
- GP-682. Aeromagnetic map of the Libby and Mt. Pend Oreille quadrangles, Lincoln and Sanders Counties, Mont., and Bonner County, Idaho. 1969. Lat 48° to 48°30', long 115°30' to 116°. Scale 1:62,500. Magnetic-contour intervals 20 and 100 gammas. 37½ by 39 inches. 50¢.
- GP-683. Aeromagnetic map of the Thompson Lakes quadrangle, Lincoln, Sanders, and Flathead Counties, Mont. 1969. Lat 48° to 48°30', long 115° to 115°30'. Scale 1:62,500. Magnetic-contour intervals 20 and 100 gammas. 31 by 40 inches. 50¢.
- GP-684. Aeromagnetic map of the McGregor Lake-Tally Lake area, Flathead and Lincoln Counties, Mont. 1969. Lat 48° to 48°30', long 114°30' to 115°. Scale 1:62,500. Magnetic-contour interval 20 gammas. 31 by 40 inches. 50¢.
- GP-685. Aeromagnetic map of the Trout Creek quadrangle, Sanders and Lincoln Counties, Mont., and Shoshone County, Idaho. 1969. Lat 47°30' to 48°, long 115°30' to 116°. Scale 1:62,500. Magnetic-contour interval 20 gammas. 31 by 40 inches. 50¢.
- GP-686. Aeromagnetic map of the Thompson Falls quadrangle, Lincoln and Sanders Counties, Mont. 1969. Lat 47°30' to 48°, long 115° to 115°30'. Scale 1:62,500. Magnetic-contour interval 20 gammas. 31 by 40 inches. 50¢.
- GP-687. Aeromagnetic map of the Hubbard Reservoir-Hot Springs area, Sanders, Flathead, and Lake Counties, Mont. 1969. Lat 47°30' to 48°, long about 114°26' to 115°. Scale 1:62,500. Magnetic-contour interval 20 gammas. 31 by 40 inches. 50¢.
- GP-688. Aeromagnetic map of the Kingston, Kellogg, and part of the Fernwood quadrangles, Shoshone, Benewah, and Kootenai Counties, Idaho. 1969. Lat 47°07'30" to 47°45', long 116° to 116°30'. Scale 1:62,500. Magnetic-contour interval 20 gammas. 30 by 48½ inches. 50¢.
- GP-689. Aeromagnetic map of part of the Avery quadrangle, Shoshone County, Idaho, and Mineral and Sanders Counties, Mont. 1969. Lat 47°07'30" to 47°30', long 115°30' to 116°. Scale 1:62,500. Magnetic-contour interval 20 gammas. 31 by 32 inches. 50¢.
- GP-690. Aeromagnetic map of the Haugan and St. Regis quadrangles and parts of the Simmons Peak and Illinois Peak quadrangles, Shoshone County, Idaho, and Mineral and Sanders Counties, Mont. 1969. Lat 47° to 47°30', long 115° to 115°30'. Scale 1:62,500. Magnetic-contour interval 20 gammas. 31 by 40 inches. 50¢.
- GP-691. Aeromagnetic map of the Plains, Perma, Superior, and Tarkio quadrangles, Sanders, Mineral, and Missoula Counties, Mont. 1969. Lat 47° to 47°30', long 114°30' to 115°. Scale 1:62,500. Magnetic-contour interval 20 gammas. 31 by 40 inches. 50¢.
- GP-692. Aeromagnetic map of a part of western Minnesota. 1970. Lat 44°30' to 45°50', long 94°30' to 97°. Scale 1:250,000. Magnetic-contour intervals 50, 250, and 1,000 gammas. 39 by 34 inches. 50¢.
- GP-693. Gravity map of Amchitka and nearby islands, Alaska, by C. H. Miller and G. D. Bath. 1969. Lat 51°15' to 52°15', long 178° to 180°. Scale 1:250,000. Gravimetric-contour interval 5 milligals. 23 by 27½ inches. 50¢.
- GP-694. Aeromagnetic and generalized geologic map of the Austin area,

- Lander County, Nev., by W. E. Davis and J. H. Stewart. 1970. Lat 39°15' to 39°45', long 116°45' to 117°15'. Scale 1:125,000. Magnetic-contour interval 20 gammas. 20 by 23 inches. Accompanied by 3-page text. 50¢.
- GP-695. Aeromagnetic map of Antelope Valley and part of the Garlock fault zone, south-central California. 1970. Lat 34°30' to 35°45', long 116° to 118°45'. Scale 1:250,000. Magnetic-contour intervals 10, 20, 50, 100, and 250 gammas. 26 by 42 inches. 50¢.
- GP-696. Natural gamma aeroradioactivity map of the Fort Worth-Dallas area, Texas, by J. A. Pitkin. 1970. Lat 32°15' to 33°15', long 96°45' to 98°15'. Scale 1:250,000. 26 by 42 inches. 50¢.
- GP-697. Aeromagnetic map of the Shutesbury quadrangle and part of the Millers Falls quadrangle, Franklin and Hampshire Counties, Mass. 1970. Lat 42°22'30" to 42°30', long 72°22'30" to 72°30'. Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 34 inches. 50¢.
- GP-698. Aeromagnetic map of the Quabbin Reservoir quadrangle, Franklin, Worcester, and Hampshire Counties, Mass. 1970. Lat 42°22'30" to 42°30', long 72°15' to 72°22'30". Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 34 inches. 50¢.
- GP-699. Aeromagnetic map of the Petersham quadrangle, Worcester County, Mass. 1970. Lat 42°22'30" to 42°30', long 72°07'30" to 72°15'. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 34 inches. 50¢.
- GP-700. Aeromagnetic map of the Barre quadrangle, Worcester County, Mass. 1970. Lat 42°22'30" to 42°30', long 72° to 72°07'30". Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 34 inches. 50¢.
- GP-701. Aeromagnetic map of the Wachusett Mountain quadrangle, Worcester County, Mass. 1970. Lat 42°22'30" to 42°30', long 71°52'30" to 72°. Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 34 inches. 50¢.
- GP-702. Aeromagnetic map of the Sterling quadrangle, Worcester County, Mass. 1970. Lat 42°22'30" to 42°30', long 71°45' to 71°52'30". Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 34 inches. 50¢.
- GP-703. Aeromagnetic map of the Clinton quadrangle, Worcester County, Mass. 1970. Lat 42°22'30" to 42°30', long 71°37'30" to 71°45'. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 34 inches. 50¢.
- GP-704. Aeromagnetic map of the Hudson quadrangle, Worcester and Middlesex Counties, Mass. 1970. Lat 42°22'30" to 42°30', long 71°30' to 71°37'30". Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 34 inches. 50¢.
- GP-705. Aeromagnetic map of the Maynard quadrangle, Middlesex County, Mass. 1970. Lat 42°22'30" to 42°30', long 71°22'30" to 71°30'. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 34 inches. 50¢.
- GP-706. Aeromagnetic map of the Concord quadrangle, Middlesex County, Mass. 1970. Lat 42°22'30" to 42°30', long 71°15' to 71°22'30". Scale 1:24,000. Magnetic-contour intervals 20, 100, and 200 gammas. 22 by 34 inches. 50¢.
- GP-707. Aeromagnetic map of the Lexington quadrangle, Middlesex County, Mass. 1970. Lat 42°22'30" to 42°30', long 71°07'30" to 71°15'. Scale

- 1:24,000. Magnetic-contour intervals 20, 100, and 200 gammas. 22 by 34 inches. 50¢.
- GP-708. Aeromagnetic map of the Boston North quadrangle, Middlesex, Suffolk, and Essex Counties, Mass. 1970. Lat 42°22'30" to 42°30', long 71° to 71°07'30". Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 34 inches. 50¢.
- GP-709. Aeromagnetic map of the Lynn quadrangle, Essex and Suffolk Counties, Mass. 1970. Lat 42°22'30" to 42°30', long 70°52'30" to 71°. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 21 by 53 inches. 50¢.
- GP-710. Aeromagnetic map of part of the Marblehead South quadrangle, Essex and Suffolk Counties, Mass. 1970. Lat 42°22'30" to 42°30', long 70°45' to 70°52'30". Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 34 inches. 50¢.
- GP-711. Aeromagnetic map of the Menominee-Northland area, Dickinson, Marquette, and Menominee Counties, Mich., and Marinette County, Wis. 1970. Sheet 1, lat 45°45' to 46°16', long 87°15' to 87°45'; magnetic-contour intervals 100, 500, 1,000, 2,000, 2,500, 3,500, and 5,000 gammas; 27 by 40 inches. Sheet 2, lat 45°05' to 45°45', long 87°15' to 87°50'; magnetic-contour intervals 50, 100, and 500 gammas; 32 by 51 inches. Scale 1:62,500. \$1 per set.
- GP-712. Aeromagnetic map of part of the Salem Depot quadrangle, Rockingham County, N.H., and Essex County, Mass. 1970. Lat 42°45' to 42°52'30", long 71°07'30" to 71°15'. Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 34 inches. 50¢.
- GP-713. Aeromagnetic map of part of the Haverhill quadrangle, Essex County, Mass., and Rockingham County, N.H. 1970. Lat 42°45' to 42°52'30", long 71° to 71°07'30". Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 34 inches. 50¢.
- GP-714. Aeromagnetic map of part of the Newburyport West quadrangle, Essex County, Mass., and Rockingham County, N.H. 1970. Lat 42°45' to 42°52'30", long 70°52'30" to 71°. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 34 inches. 50¢.
- GP-715. Aeromagnetic map of part of the Newburyport East quadrangle, Essex County, Mass., and Rockingham County, N.H. 1970. Lat 42°45' to 42°52'30", long 70°45' to 70°52'30". Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 34 inches. 50¢.
- GP-716. Aeromagnetic map of the Lawrence quadrangle, Essex and Middlesex Counties, Mass., and Rockingham and Hillsborough Counties, N.H. 1970. Lat 42°37'30" to 42°45', long 71°07'30" to 71°15'. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 34 inches. 50¢.
- GP-717. Aeromagnetic map of the South Groveland quadrangle, Essex County, Mass. 1970. Lat 42°37'30" to 42°45', long 71° to 71°07'30". Scale 1:24,000. Magnetic-contour interval 20 gammas. 22 by 34 inches. 50¢.
- GP-718. Aeromagnetic map of the Georgetown quadrangle, Essex County, Mass. 1970. Lat 42°37'30" to 42°45', long 70°52'30" to 71°. Scale 1:24,000. Magnetic-contour intervals 20, 100, and 200 gammas. 22 by 34 inches. 50¢.
- GP-719. Aeromagnetic map of part of the Ipswich quadrangle, Essex County,

- Mass. 1970. Lat $42^{\circ}37'30''$ to $42^{\circ}45'$, long $70^{\circ}45'$ to $70^{\circ}52'30''$. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 34 inches. 50¢.
- GP-720. Aeromagnetic map of the Wilmington quadrangle, Middlesex and Essex Counties, Mass. 1970. Lat $42^{\circ}30'$ to $42^{\circ}37'30''$, long $71^{\circ}07'30''$ to $71^{\circ}15'$. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 34 inches. 50¢.
- GP-721. Aeromagnetic map of the Reading quadrangle, Middlesex and Essex Counties, Mass. 1970. Lat $42^{\circ}30'$ to $42^{\circ}37'30''$, long 71° to $71^{\circ}07'30''$. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 34 inches. 50¢.
- GP-722. Aeromagnetic map of the Salem quadrangle, Essex County, Mass. 1970. Lat $42^{\circ}30'$ to $42^{\circ}37'30''$, long $70^{\circ}52'30''$ to 71° . Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 34 inches. 50¢.
- GP-723. Aeromagnetic map of part of the Marblehead North quadrangle, Essex County, Mass. 1970. Lat $42^{\circ}30'$ to $42^{\circ}37'30''$, long $70^{\circ}45'$ to $70^{\circ}52'30''$. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. 22 by 34 inches. 50¢.
- GP-724. Aeromagnetic map of parts of the Gloucester and Rockport quadrangles, Essex County, Mass. 1970. Lat $42^{\circ}33'45''$ to $42^{\circ}42'30''$, long about $70^{\circ}35'$ to $70^{\circ}45'$. Scale 1:24,000. Magnetic-contour intervals 20 and 100 gammas. $27\frac{1}{2}$ by 38 inches. 50¢.
- GP-725. Aeromagnetic map of Minnesota, by Isidore Zietz and J. R. Kirby. 1970. Lat 90° to 97° , long 44° to 49° . Scale 1:1,000,000. 25 by 31 inches. 75¢.

MISCELLANEOUS GEOLOGIC INVESTIGATIONS MAPS

[The following miscellaneous geologic investigations maps, which are listed in "Publications of the Geological Survey, 1879-1961" as being in print, are now out of print: 256, 296, 315, 323, and 351. See also Geologic Atlas of the Moon, p. 307]

- I-200 A. Geologic map of the Wadi As Sirhan quadrangle, Kingdom of Saudi Arabia, by R. A. Bramkamp, G. F. Brown, D. A. Holm, and N. M. Layne, Jr. 1963 [1964]. Lat 28° to 32° N., long 34°30' to 39° E. Scale 1:500,000. 44 by 56 inches. \$1.
- *I-200 B. Geographic map of the Wadi As Sirhan quadrangle, Kingdom of Saudi Arabia, by R. A. Bramkamp, G. F. Brown, D. A. Holm, and N. M. Layne, Jr. 1962. Lat 28° to 32°, long 34°30' to 39° E. Scale 1:500,000. 40½ by 43 inches.
- I-201 A. Geologic map of the Jawf-Sakakah quadrangle, Kingdom of Saudi Arabia, by R. A. Bramkamp, L. F. Ramirez, Max Steineke, and W. H. Reiss. 1963. Lat 28° to 42° N., long 39° E. to 42° E. Scale 1:500,000. 41 by 43 inches. \$1.
- I-202 A. Geologic map of the Darb Zubaydah quadrangle, Kingdom of Saudi Arabia, by R. A. Bramkamp and L. F. Ramirez. 1963. Lat 28° to 32° N., long 42° to 45° E. Scale 1:500,000. 41 by 41 inches. \$1.
- I-204 A. Geologic map of the northwestern Hijaz quadrangle, Kingdom of Saudi Arabia, by G. F. Brown, R. O. Jackson, R. G. Bogue and E. L. Elberg, Jr. 1963. Lat 24° to 28° N., long 35° to 39° E. Scale 1:500,000. 40½ by 51 inches. \$1.
- I-205 A. Geologic map of the northeastern Hijaz quadrangle, Kingdom of Saudi Arabia, by G. F. Brown, Newton Layne, G. H. Goudarzi, and W. H. MacLean. 1963. Lat about 24° to 28° N., long about 42° to 39° E. Scale 1:500,000. 41 by 44 inches. \$1.
- I-206 A. Geologic map of the Wadi Ar Rimah quadrangle, Kingdom of Saudi Arabia, by R. A. Bramkamp, L. F. Ramirez, G. F. Brown, and A. E. Pocock. 1963. Lat 24° to 28° N., long 42° to 45° E. Scale 1:500,000. 41 by 44 inches. \$1.
- I-210 A. Geologic map of the southern Hijaz quadrangle, Kingdom of Saudi Arabia, by G. F. Brown, R. O. Jackson, R. G. Bogue, and W. H. MacLean. 1963. Lat 20° to 24° N., long 38° E. to 42° E. Scale 1:500,000. 47 by 50 inches. \$1.
- I-211 A. Geologic map of the southern Najd quadrangle, Kingdom of Saudi Arabia, by R. O. Jackson, R. G. Bogue, G. F. Brown, and R. D. Gierhart. 1963. Lat 20° to 24° N., long 45° to 42° E. Scale 1:500,000. 41 by 45 inches. \$1.
- I-211 B. Geographic map of the southern Najd quadrangle, Kingdom of Saudi Arabia, by R. O. Jackson, R. G. Bogue, G. F. Brown, and R. D. Gierhart. 1962. Lat 20° to 24°, long 42° to 45° E. Scale 1:500,000. 34½ by 41 inches. \$1.
- I-215 A. Geologic map of the eastern Rub Al Khali quadrangle, Kingdom of Saudi Arabia, by E. L. Elberg, Jr., R. D. Gierhart, and L. F. Ramirez.

1963. Lat 20° to 24° N., long 54° to 57° E. Scale 1:500,000. 40 by 41 inches. \$1.
- I-215 B. Geographic map of the eastern Rub Al Khali quadrangle, Kingdom of Saudi Arabia, by E. L. Elberg, R. D. Gierhart, and L. F. Ramirez. 1962. Lat 20° to 24° N., long 54° to 57° E. Scale, 1:500,000. 33 by 40 inches. \$1.
- I-216 B. Geographic map of the Tihamat Ash Sham quadrangle, Kingdom of Saudi Arabia, by G. F. Brown and R. O. Jackson. 1958. Lat 16° to 20° N., long 39° to 42° E. Scale 1:500,000. 34 by 40 inches. \$1. (Revised 1968.)
- I-217 B. Geographic map of the Asir quadrangle, Kingdom of Saudi Arabia, by G. F. Brown and R. O. Jackson. 1958. Lat 16° to 20° N., long 42° to 45° E. Scale 1:500,000. 34 by 40 inches. \$1. (Revised 1968.)
- I-218 A. Geologic map of the western Rub Al Khali quadrangle, Kingdom of Saudi Arabia, by R. A. Bramkamp, R. D. Gierhart, L. D. Owens, and L. F. Ramirez. 1963 [1964]. Lat 16° to 20° N., long 45° to 48° E. Scale 1:500,000. 41 by 44 inches. \$1.
- I-218 B. Geographic map of the western Rub Al Khali quadrangle, Kingdom of Saudi Arabia, by R. A. Bramkamp, R. D. Gierhart, L. D. Owens, and L. F. Ramirez. 1962. Lat 16° to 20° N., long 45° to 48° E. Scale 1:500,000. 34½ by 41 inches. \$1.
- I-219 A. Geologic map of the south central Rub Al Khali quadrangle, Kingdom of Saudi Arabia, by L. F. Ramirez, E. L. Elberg, Jr., and H. H. Helley. 1963. Lat 16° to 20° N., long 48° to 51° E. Scale 1:500,000. 40½ by 43 inches. \$1.
- I-219 B. Geographic map of the south central Rub Al Khali quadrangle, Kingdom of Saudi Arabia, by L. F. Ramirez, E. L. Elberg, and H. H. Helley. 1962. Lat 16° to 20°, long 48° to 51° E. 34 by 41 inches. \$1.
- I-220 A. Geologic map of the southeastern Rub Al Khali quadrangle, Kingdom of Saudi Arabia, by L. F. Ramirez, E. L. Elberg, Jr., and H. H. Helley. 1963. Lat 16° to 20° N., long 51° to 54° E. Scale 1:500,000. 41 by 48 inches. \$1.
- I-220 B. Geographic map of the southeastern Rub Al Khali quadrangle, Kingdom of Saudi Arabia, by L. F. Ramirez, E. L. Elberg, and H. H. Helley. 1962. Lat 16° to 20° N., long 51° to 54° E. Scale 1:500,000. 35 by 41 inches. \$1.
- I-270 A. Geologic map of the Arabian Peninsula, compiled by the U.S. Geological Survey and the Arabian American Oil Company under the joint sponsorship of the Kingdom of Saudi Arabia, Ministry of Petroleum and Mineral Resources, and the U. S. State Department. 1963. Lat about 12° to 32½° N., long about 34° to 60° E. Scale 1:2,000,000. 50 by 72 inches. \$2.50.
- I-270 B-2. Map of the Arabian Peninsula, compiled by the U.S. Geological Survey and the Arabian American Oil Company under the joint sponsorship of the Kingdom of Saudi Arabia, Ministry of Petroleum and Mineral Resources. 1963. Lat about 12° to 32½° N., long about 34° to 60° E. Scale 1:2,000,000. 50 by 72 inches. \$1.50. (This map replaces I-270 B-1, published in 1958.)
- I-316. Glacial map of Ohio, by R. P. Goldthwait, G. W. White, and J. L. Forsyth. 1961. Scale 1:500,000. 36½ by 39 inches. 75¢. (Revised in part 1967.)
- *I-331. Preliminary glacial map of North Dakota, by R. B. Colton, R. W. Lemke, and R. M. Lindvall. 1963. Lat about 46° to 49°, long about 97° to 104°. Scale 1:500,000. 37 by 58 inches.

- I-334. Geology of the Manati quadrangle, Puerto Rico, by W. H. Monroe. 1962. Lat 18°20'30" to 18°30', long 66°22'30" to 66°30'. Scale 1:20,000. Contour intervals 1, 10, and 25 meters. 41 by 47½ inches. 75¢.
- I-336. Preliminary report of the geology of the Barranquitas quadrangle, Puerto Rico, by R. P. Briggs and P. A. Gelabert. 1962. Lat 18°07'30" to 18°15', long 66°15' to 66°22'30". Scale 1:20,000. Contour interval 10 meters. Map, 40 by 49 inches; text sheet, 25 by 35½ inches. \$1.50.
- I-338. Geology of the Boxelder quadrangle, Montana, by R. M. Lindvall. 1961 [1962]. Lat 48°15' to 48°30', long 110° to 110°15'. Scale 1:62,500. 24½ by 38 inches. 75¢.
- I-341. Reconnaissance traverse across the Eastern Chugach Mountains, Alaska, by E. E. Brabb and D. J. Miller. 1962. Lat 60°24'42" to 61°15'50", long 142°26' to 142°37'35". Scale 1:96,000. 35½ by 42 inches. 50¢.
- I-345. Geology, structure, and uranium deposits of the Shiprock quadrangle, New Mexico and Arizona, compiled by R. B. O'Sullivan and H. M. Beikman. 1963. Lat 36° to 37°, long 108° to 110°. Scale 1:250,000. Contour interval 200 feet. Sheet 1, 29 by 48 inches; sheet 2, 23 by 34 inches. \$2 per set.
- I-347. Preliminary geologic map of the Bayamon quadrangle, Puerto Rico, by W. H. Monroe and M. H. Pease, Jr. 1962. Lat 18°22'30" to 18°30', long 66°07'30" to 66°15'. Scale 1:20,000. Contour interval 5 meters. 32 by 38 inches. 50¢.
- I-348. Geology of the Albany West quadrangle, Georgia, by R. L. Wait. 1962. Lat 31°30' to 31°37'30", long 84°07'30" to 84°15'. Scale 1:24,000. Contour interval 5 feet. 36½ by 42 inches. 75¢.
- I-349. Geology of the Eagle Buttes quadrangle, Chouteau County, Montana, by R. M. Lindvall. 1962. Lat 47°45' to 48°, long 110° to 110°15'. Scale 1:62,500. 24½ by 42 inches. 50¢.
- I-350 A. Geologic map of Kingdom of Libya, compiled by L. C. Conant and G. H. Goudarzi. 1964. Lat 19°30' to 33° N., long about 19°20' to about 25° E. Scale 1:2,000,000. 41 by 50 inches. \$1.50. (See also Professional Paper 660.)
- I-350 B. Topographic map of United Kingdom of Libya. 1962. Scale 1:2,000,000. 36 by 52 inches. \$1.
- I-352. Geology of the Leupp quadrangle, Arizona, by J. H. Irwin, J. P. Akers, and M. E. Cooley. 1962. Lat 35°15' to 35°30', long 110°45' to 111°. Scale 1:62,500. Contour interval 40 feet. 26 by 36½ inches. 50¢.
- I-353. Geology of the Eskay quadrangle, Chouteau and Blaine Counties, Mont., by R. M. Lindvall. 1962. Lat 47°45' to 48°, long 109°30' to 109°45'. Scale 1:62,500. 32½ by 37 inches. 50¢.
- I-354. Preliminary geologic map of Seattle and vicinity, Washington, by H. H. Waldron, B. A. Liesch, D. R. Mullineaux, and D. R. Crandell. 1962. Lat 47°25' to 47°45', long 122°10' to 122°27'30". Scale 1:31,680. Contour interval 25 feet. 41 by 52 inches. 50¢.
- I-355. Geologic map and sections of the Kepler region of the moon, by R. J. Hackman. 1962. Lat 0° to 16°, long 30° to 50°. Mercator projection, scale 1:1,000,000 at 11°00'45". 32 by 42 inches. \$1.
- I-356. Preliminary geologic map of the Valdez-Tiekel Belt, Alaska, by H. W. Coulter and E. B. Coulter. 1962. Scale 1:96,000. Contour interval 100 feet. 28 by 28 inches. 50¢.
- I-357. Surficial geology of Alaska, compiled by T. N. V. Karlstrom and others.

1964. Lat about 55° to 71°, long about 130° to 176°. Scale 1:1,584,000. Two sheets, each 38 by 54½ inches. \$2.50 per set.
- I-358. Preliminary geologic map of the northeastern part of New Mexico, by G. O. Bachman and C. H. Dane. 1962. Lat 34° to 37°, long 103° to 106°. Scale 1:380,160. 40 by 50 inches. \$1.25.
- I-359. Geologic map of lower Matanuska Valley, Alaska, by F. F. Barnes. 1962. Scale 1:63,360. Contour interval 100 feet. 34 by 48 inches. 50¢
- I-360. Geology, structure, and uranium deposits of the Moab quadrangle, Colorado and Utah, compiled by P. L. Williams. 1964. Lat 38° to 39°, long 108° to 110°. Scale 1:250,000. Sheet 1, geology; 32 by 57¼ inches. Sheet 2, structure and uranium deposits; structure-contour interval 250 feet; 24 by 37 inches. \$1.75 per set.
- I-361. Geologic map of the south half of the Baylor, Larslan West Fork, Police Creek, Kahle, and Lundville quadrangles, Valley, Roosevelt, and Daniels Counties, Mont., by R. B. Colton. 1964. Lat about 48°30' to 48°38'07", long 105° to 106°30'. Scale 1:62,500. 25 by 56 inches. \$1.
- I-362. Geologic map of the Brockton quadrangle, Roosevelt and Richland Counties, Mont., by R. B. Colton. 1963. Lat 48° to 48°15', long 104°45' to 105°. Scale 1:62,500. Contour interval 20 feet. 25 by 34 inches. \$1.
- I-363. Geologic map of the Chelsea quadrangle, Roosevelt and McCone Counties, Mont., by R. B. Colton. 1963. Lat 48° to 48°15', long 105°15' to 105°30'. Scale 1:62,500. Contour interval 20 feet. 29 by 33 inches. \$1.
- I-364. Geologic map of the Cuskers quadrangle, Roosevelt County, Mont., by R. B. Colton. 1963. Lat 48°15' to 48°30', long 105°15' to 105°30'. Scale 1:62,500. Contour interval 20 feet. 24 by 34 inches. \$1.
- I-365. Geologic map of the Hay Creek quadrangle, Roosevelt County, Mont., by R. B. Colton. 1963. Lat 48°15' to 48°30', long 105° to 105°15'. Scale 1:62,500. Contour interval 20 feet. 24 by 33 inches. \$1.
- I-366. Geologic map of the Oswego quadrangle, Valley, Roosevelt, and McCone Counties, Mont., by R. B. Colton. 1963. Lat 48° to 48°15', long 105°45' to 106°. Scale 1:62,500. Contour interval 20 feet. 25 by 33 inches. \$1.
- I-367. Geologic map of the Poplar quadrangle, Roosevelt, Richland, and McCone Counties, Mont., by R. B. Colton. 1963. Lat 48° to 48°15', long 105° to 105°15'. Scale 1:62,500. Contour interval 20 feet. 27 by 33 inches. \$1.
- I-368. Geologic map of the Porcupine Valley quadrangle, Valley County, Mont., by R. B. Colton. 1963. Lat 48°15' to 48°30', long 106°15' to 106°30'. Scale 1:62,500. Contour interval 20 feet, 24 by 34 inches. \$1.
- I-369. Geologic map of the Spring Creek quadrangle, Valley County, Mont., by R. B. Colton. 1963. Lat 48°15' to 48°30', long 106° to 106°15'. Scale 1:62,500. Contour interval 20 feet. 24 by 33 inches. \$1.
- I-370. Geologic map of the Todd Lakes quadrangle, Valley and Roosevelt Counties, Mont., by R. B. Colton. 1963. Lat 48°15' to 48°30', long 105°45' to 106°. Scale 1:62,500. Contour interval 20 feet. 24 by 33 inches. \$1.
- I-371. Geologic map of the Tule Valley quadrangle, Roosevelt County, Mont., by R. B. Colton. 1963. Lat 48°15' to 48°30', long 105°30' to 105°45'. Scale 1:62,500. Contour interval 20 feet. 24 by 33 inches. \$1.
- I-372. Geologic map of the Storm Hill quadrangle, Crook County, Wyo., by G. A. Izett. 1963. Lat 44°37'30" to 44°45', long 104°37'30" to 104°45'. Scale 1:24,000. Contour interval 20 feet. 29 by 42 inches. 75¢.
- I-373. Reconnaissance geologic map of west-central Snake River Plain, Idaho, by H. E. Malde, H. A. Powers, and C. H. Marshall. 1963. Lat about 42°20'

- to 43°22', long 114°15' to 116°. Scale 1:125,000. Contour interval 200 feet. 12 by 20 inches. 75¢.
- I-374. Geology of the Bear Peak NE quadrangle, Dona Ana County, N. Mex., by G. O. Bachman and D. A. Myers. 1963. Lat 32°37'30" to 32°45', long 106°30' to 106°37'30". Scale 1:31,680. Contour interval 25 feet. 30 by 50 inches. 50¢.
- I-375. Geologic map and section of the Chandalar quadrangle, Alaska, by W. P. Brosgé and H. N. Reiser. 1964. Lat 67° to 68°, long 147° to 150°. Scale 1:250,000. 32 by 41 inches. \$1.
- I-376. Geologic map and sections of the Gandy NE quadrangle, Confusion Range, Millard County, Utah, by R. K. Hose and J. I. Ziony. 1963 [1964]. Lat 39°22'30" to 39°30', long 113°45' to 113°52'30". Scale 1:24,000. 33 by 45 inches. \$1.
- I-377. Geologic map and section of the Cowboy Pass NE quadrangle, Confusion Range, Millard County, Utah, by R. K. Hose. 1963. Lat 39°22'30" to 39°30', long 113°30' to 113°37'30". Scale 1:24,000. 31 by 32 inches. 75¢.
- I-378. Geologic map and sections of the Cowboy Pass NW quadrangle, Confusion Range, Millard County, Utah, by R. K. Hose and C. A. Repenning. 1963. Lat 39°22'30" to 39°30', long 113°37'30" to 113°45'. Scale 1:24,000. Contour interval 40 feet. 32 by 42 inches. 75¢.
- I-379. Preliminary geologic map and sections of the Hogan 4 Southeast quadrangle, Lewis and Clark County, Mont., by R. G. Schmidt. 1963. Lat 47° to 47°07'30", long 112° to 112°07'30". Scale 1:24,000. Contour interval 40 feet. 37 by 51 inches. 50¢.
- I-380. The Indian Ocean, the geology of its bordering lands and the configuration of its floor, by J. F. Pepper and G. M. Everhart. 1963. Lat about 34° N. to 54° S., long about 15° E. to 155° E. Mercator projection, scale 1:13,650,000 at 15° latitude. Bathymetric contours 100, 1,000, 2,000, 2,500, and 3,000 fathoms. \$1.25.
- I-381. Geology of the northern part of the Boulder batholith and adjacent area, Montana, by Adolph Knopf. 1963. Lat 46°30' to about 46°43', long 111°52'30" to 112°20'. Scale 1:48,000. Contour interval 20 feet. 27 by 38 inches. \$1.
- I-382. Geologic map of the Malvado quadrangle, Terrell and Val Verde Counties, Tex., by J. A. Sharps. 1963. Lat 29°45' to 30°, long 101°45' to 102°. Scale 1:62,500. Contour interval 40 feet. 23 by 26 inches. \$1.
- I-383. Preliminary geologic map of the Eldorado Springs quadrangle, Boulder and Jefferson Counties, Colo., by J. D. Wells. 1963. Lat 39°52'30" to 40°, long 105°15' to 105°22'30". Scale 1:24,000. Contour interval 50 feet. 30 by 40 inches. 50¢.
- I-384. Geology of the Shelby quadrangle, North Carolina, by W. C. Overstreet, R. G. Yates, and W. R. Griffiths. 1963. Lat 35°15' to 35°30', long 81°30' to 81°45'. Scale 1:62,500. Contour interval 20 feet. 36 by 41 inches. \$1.
- I-385 (LAC-75). Geologic map and sections of the Letronne region of the moon, by C. H. Marshall. 1963. Lat 16° to 0°, long 30° to 50°. Scale 1:1,000,000. 32 by 42 inches. \$1.
- I-386. Geologic map of the Dryden Crossing quadrangle, Terrell County, Tex., by J. A. Sharps. 1964. Lat 29°45' to 30°, long 102° to 102°15'. Scale 1:62,500. Structure-contour interval 50 feet. 25 by 26 inches. \$1.
- *I-387. Fluoride content of ground water in the conterminous United States (Maximum reported value for each county), by Michael Fleischer. 1962. Scale 1:5,000,000. 28 by 41 inches.

- I-388. Reconnaissance geologic map of Chichagof Island and northwestern Baranof Island, Alaska, by R. A. Loney, H. C. Berg, J. S. Pomeroy, and D. A. Brew. 1963. Lat 57° to 58°15', long 135° to 136°30'. Scale 1:250,000. Contour intervals 200 and 1,000 feet. 31 by 46 inches. 75¢.
- I-389. Bedrock topography of the eastern and central Mesabi Range, northeastern Minnesota, by E. L. Oakes. 1964. Lat vicinity 47½°, long vicinity 92½°. Structure-contour intervals 20 feet. Sheets 1-2, 31 by 46 inches; sheet 3, 32 by 46 inches; and sheet 4, 25 by 36 inches. \$1.50 per set.
- I-390. Geologic map and sections of the Cowboy Pass SW quadrangle, Confusion Range, Millard County, Utah, by R. K. Hose and C. A. Repenning. 1964. Lat 39°15' to 39°22'30", long 113°37'30" to 113°45'. Scale 1:24,000. 32 by 41 inches. \$1.
- I-391. Geologic map and sections of the Cowboy Pass SE quadrangle, Confusion Range, Millard County, Utah, by R. K. Hose. 1963 [1964]. Lat 39°15' to 39°22'30", long 113°30' to 113°37'30". Scale 1:24,000. 31 by 36 inches. \$1.
- I-392. Provisional geologic map of Puerto Rico and adjacent islands, by R. P. Briggs. 1964. Lat about 18° to 18°30', long 65°15' to 67°15'. Scale 1:240,000. 32 by 55 inches. 50¢.
- I-393. Geologic map and sections of the Gandy SE quadrangle, Confusion Range, Millard County, Utah, by R. K. Hose and J. I. Ziony. 1964. Lat 39°15' to 39°22'30", long 113°45' to 113°52'30". Scale 1:24,000. 32 by 36 inches. \$1.
- I-394. Geology of the Mt. Hayes D-4 quadrangle, Alaska, by T. L. Péwé and G. W. Holmes. 1964. Lat 63°45' to 64°, long 145°30' to 146°. Sheet 1, map showing geology; scale 1:63,360; 37 by 40 inches. Sheet 2, text and description of geologic units; 33 by 40 inches. \$1.50 per set.
- I-395. Geologic map of the Indian Wells quadrangle, Terrell and Brewster Counties, Tex., by V. L. Freeman. 1964. Lat 29°45' to 30°, long 102°15' to 102°30'. Scale 1:62,500. Structure-contour intervals 50 and 100 feet. 22 by 23 inches. \$1.
- I-396. Geologic map of the Maxey Ridge quadrangle, Montana, by A. E. Roberts. 1964. Lat 45°30' to 45°37'30", long 110°45' to 110°52'30". Scale 1:24,000. 29 by 32 inches. \$1.
- I-397. Geologic map of the Fort Ellis quadrangle, Montana, by A. E. Roberts. 1964. Lat 45°37'30" to 45°45', long 110°52'30" to 111°. Scale 1:24,000. 28 by 31 inches. \$1.
- I-398. Geologic map of the Mystic Lake quadrangle, Montana, by A. E. Roberts. 1964. Lat 45°30' to 45°37'30", long 110°52'30" to 111°. Scale 1:24,000. 29 by 32 inches. \$1.
- I-399. Geologic map of the Bozeman Pass quadrangle, Montana, by A. E. Roberts. 1964. Lat 45°37'30" to 45°45', long 110°45' to 110°52'30". Scale 1:24,000. 28 by 29 inches. \$1.
- I-400. Geologic map and sections of the Torrance Station 4 NE quadrangle, Lincoln County, N. Mex., by W. A. Fischer and R. J. Hackman. 1964. Lat 34°07'30" to 34°15', long 105°30' to 105°37'30". Scale 1:24,000. 34 by 55 inches. 75¢.
- I-401. Contour map of the bedrock surface of the Broad Brook quadrangle, Connecticut, by R. V. Cushman and R. B. Colton. 1963. Lat 41°52'30" to 42°, long 72°32' to 72°37'30". Scale 1:24,000. Contour interval 10 feet. 23½ by 29 inches. 50¢.

- I-402. Contour map of the bedrock surface of the Manchester quadrangle, Connecticut, by R. B. Colton and R. V. Cushman. 1963. Lat 41°45' to 41°52'30", long 72°30' to 72°37'30". Scale 1:24,000. Contour interval of topographic base map, 10 feet. Contour interval of bedrock surface 100 feet. 24 by 29 inches. 50¢.
- I-403. Preliminary surficial geologic map of the Mesabi-Vermilion Iron Range area, northeastern Minnesota, by R. D. Cotter, H. L. Young, and T. C. Winter. 1964. Lat 47° to about 48°, long about 91°54' to 93°46'. Scale 1:125,000. 40 by 41 inches. 50¢.
- I-404. Geologic map of the Grand Junction area, Colorado, by S. W. Lohman. 1963. Lat about 38°48' to about 39°12', long 108°25' to about 108°47'. Scale 1:31,680. Contour interval 200 feet. 41 by 57 inches. \$1.25.
- I-405. Geology of the Paleozoic area in the Malvern quadrangle, Garland and Hot Spring Counties, Ark., by Walter Danilchik and B. R. Haley. 1964. Lat 34°15' to 34°30', long 92°45' to 93°. Scale 1:48,000. 32 by 34 inches. \$1.
- I-406. Preliminary geologic map of the McCarthy C-5 quadrangle, Alaska, by E. M. MacKevett, Jr. 1963 [1964]. Lat 61°30' to 61°45', long 142°30' to 142°52'30". Scale 1:63,360. 24 by 30 inches. 50¢.
- I-407. Preliminary map of the geology of the Iliamna quadrangle, Alaska, by R. L. Detterman and B. L. Reed. 1964. Lat 59° to 60°, long 153° to 155°15'. Scale 1:250,000. 42 by 49½ inches. 50¢.
- I-408. Geology of the northwest and northeast Pueblo quadrangles, Colorado, by G. R. Scott. 1964. Lat 38°15' to 38°22'30", long 104°30' to 104°45'. Scale 1:24,000. 29 by 57 inches. 75¢.
- I-409. Preliminary geologic map and sections of the Hogan 4 Northeast quadrangle, Lewis and Clark and Cascade Counties, Mont., by R. G. Schmidt, assisted by D. A. Swanson and Peter Zubovic. 1964. Lat 47°07'30" to 47°15', long 112° to 112°07'30". Scale 1:24,000. 37 by 43 inches. 50¢.
- I-410. Geologic map and sections of the northern part of the McCarthy A-4 quadrangle, Alaska, by D. J. Miller and R. S. MacColl. 1964. Lat 61°05' to 61°15', long 142°07'30" to 142°30'. Scale 1:63,360. 21 by 29 inches. 50¢.
- I-411. Reconnaissance geologic map of Baranof and Kruzof Islands, Alaska, by R. A. Loney, J. S. Pomeroy, D. A. Brew, and L. J. P. Muffler. 1964. Lat about 56°15' to 57°30', long about 134°30' to 136°. Scale 1:250,000. 33½ by 40 inches. 75¢.
- I-412. Geologic map and sections of the Deep Creek area, Stevens and Pend Oreille Counties, Wash., by R. G. Yates. 1964 [1965]. Lat 48°15' to 49°, long 117°30' to 117°45'. Scale 1:31,680. 34½ by 53 inches. \$1.
- I-413. Geologic map of the crystalline rocks of South Carolina, by W. C. Overstreet and Henry Bell III. 1965. Scale 1:250,000. 39½ by 57 inches. \$1.25. (See also Bulletin 1183.)
- I-414. Geologic map of Indonesia, Pete Geologi Indonesia. Prepared by Direktorat Geologi Indonesia under the direction of Soetarjo Sigit, Director, and published by the U.S. Geological Survey under the auspices of Agency for International Development, U.S. Department of State. 1965 [1966]. Scale 1:2,000,000. Two sheets, each 43 by 59 inches. \$5 per set.
- I-415. Map showing extent of glaciations in Alaska, compiled by the Alaska Glacial Map Committee of the U.S. Geological Survey (H. W. Coulter, D. M. Hopkins, T. N. V. Karlstrom, T. L. Péwé, Clyde Wahrhaftig, and J. R. Williams). 1965. Scale 1:2,500,000. 36 by 52 inches. \$1.
- I-416. Pleistocene lakes in the Great Basin, by C. T. Snyder, George Hardman,

- and F. F. Zdenek. 1964. Lat 34° to 43°, long 112° to 119°. Scale 1:1,000,000. 36 by 56 inches. 50¢.
- I-417. Preliminary geologic map of the Tepee Creek quadrangle, Montana-Wyoming, by I. J. Witkind. 1964. Lat 44°45' to 45°, long 111° to 111°15'. Scale 1:48,000. 36 by 48 inches. 50¢.
- I-418. Geologic map of the southern part of the Mule Mountains, Cochise County, Ariz., by P. T. Hayes and E. R. Landis. 1964. Lat 31°20' to 31°30', long 109°45' to 110°07'30". Scale 1:48,000. 27 by 42 inches. \$1. (See also Bulletin 1201-F.)
- I-419. Geology of the Elkmont quadrangle, Alabama-Tennessee, by W. M. McMaster. 1965. Lat 34°52'30" to 35°, long 86°52'30" to 87°. Scale 1:24,000. Structure-contour interval 10 feet. 31 by 31 inches. Accompanied by 7-page text. \$1.
- I-420. Geology of the Salem quadrangle, Alabama-Tennessee, by W. M. McMaster. 1965. Lat 34°52'30" to 35°, long 87° to 87°07'30". Scale 1:24,000. Structure-contour interval 10 feet. 31 by 32 inches. Accompanied by 10-page text. \$1.
- I-421. Geologic map of the Barceloneta quadrangle, Puerto Rico, by R. P. Briggs. 1965. Lat 18°22'30" to 18°30', long 66°30' to 66°37'30". Scale 1:20,000. Structure-contour interval 20 meters. 38 by 42 inches. \$1.
- I-422. Geologic map of the Langtry quadrangle, Val Verde County, Tex., by V. L. Freeman. 1964. Lat 29°45' to 30°, long 101°30' to 101°45'. Scale 1:62,500. Structure-contour interval 50 feet. 23 by 27 inches. \$1.
- I-423. Preliminary geologic map of the McCarthy C-4 quadrangle, Alaska, by E. M. MacKevett, Jr., H. C. Berg, George Plafker, and D. L. Jones. 1964. Lat 61°30' to 61°45', long 142°07'30" to 142°30'. Scale 1:63,360. 24 by 27 inches. 50¢.
- I-424. Geologic map of the Shumla quadrangle, Val Verde County, Tex., by V. L. Freeman. 1964. Lat 29°45' to 30°, long 101°15' to 101°30'. Scale 1:62,500. Structure-contour interval 50 feet. 23 by 27 inches. \$1.
- I-425. Geologic map and sections of the Philmont Ranch region, New Mexico, by A. A. Wanek, C. B. Read, G. D. Robinson, W. H. Hays, and Malcolm McCallum. 1964. Sheet 1, geologic map; lat 36°20'30" to 36°42'30", long 104°54' to 105°12'; scale 1:48,000; 31 by 39 inches. Sheet 2, geologic sections; scale 1:48,000; 16 by 31 inches. \$1.50 per set. (See also Professional Paper 505.)
- I-426. Geologic map of the Lucerne Valley quadrangle, San Bernardino County, Calif., by T. W. Dibblee, Jr. 1964. Lat 34°15' to 34°30', long 116°45' to 117°. Scale 1:62,500. 24½ by 35 inches. Accompanied by 6-page text. 75¢.
- I-427. Geologic map of the Ord Mountains quadrangle, San Bernardino County, Calif., by T. W. Dibblee, Jr. 1964. Lat 34°30' to 34°45', long 116°45' to 117°. Scale 1:62,500. 26 by 32 inches. Accompanied by 6-page text. 75¢.
- I-428. Geology of the sedimentary rocks of the Morrison quadrangle, Colorado, by J. H. Smith. 1964. Lat 39°37'30" to 39°45', long 105°07'30" to 105°15'. Scale 1:24,000. 31 by 34 inches. Accompanied by 3-page text. 50¢.
- I-429. Aggregate and riprap resources map of the Wolf Point area, Montana, by R. B. Colton. 1964. Lat about 48° to 48°40', long 104°45' to 106°30'. Scale 1:125,000. 28½ by 33 inches. 50¢.
- I-430. Geological map of the Rodman Mountains quadrangle, San Bernardino

- County, Calif., by T. W. Dibblee, Jr. 1964. Lat 34°30' to 34°45', long 116°30' to 116°45'. Scale 1:62,500. 26 by 32 inches. Accompanied by 5-page text. 75¢.
- I-431. Geologic map of the San Geronio Mountain quadrangle, San Bernardino and Riverside Counties, Calif., by T. W. Dibblee, Jr. 1964 [1965]. Lat 34° to 34°15', long 116°45' to 117°. Scale 1:62,500. 27 by 38 inches. Accompanied by 3-page text. 75¢.
- I-432. Geologic map and section of Mount Rainier National Park, Wash., by R. S. Fiske, C. A. Hopson, and A. C. Waters. 1964. Lat about 46°44' to 47°, long 121°30' to 121°55'. Scale 1:62,500. Contour interval 100 feet. 31 by 31 inches. \$1. (See also Professional Paper 444.)
- I-433. Geologic map of the Bannack-Grayling area, Beaverhead County, Mont., by W. R. Lowell. 1965. Lat 45° to 45°15', long 112°45' to 113°. Scale 1:31,680. 38 by 47 inches. Accompanied by 6-page text. 75¢.
- I-434. Geologic map of the Bakers Crossing quadrangle, Val Verde County, Tex., by V. L. Freeman. 1965. Lat 29°45' to 30°, long 101° to 101°15'. Scale 1:62,500. Structure-contour interval 50 feet. 23 by 27 inches. \$1.
- I-435. Geologic map and sections of the Conger Range SE quadrangle and adjacent area, Confusion Range, Millard County, Utah, by R. K. Hose. 1965. Lat 39° to 39°07'30", long 113°45' to 113°56'38". Scale 1:24,000. 35½ by 37 inches. \$1.
- I-436. Geologic map and sections of the Conger Range NE quadrangle and adjacent area, Confusion Range, Millard County, Utah, by R. K. Hose. 1965. Lat 39°07'30" to 39°15', long 113°45' to vicinity 113°56'40". Scale 1:24,000. 40 by 42 inches. \$1.
- I-437. Regional geology of the Kateel River quadrangle, Alaska, by W. W. Patton, Jr. 1966. Lat 65° to 66°, long 156° to 159°. Scale 1:250,000. 30½ by 40 inches. 50¢.
- *I-438. Preliminary geologic map of the McCarthy B-5 quadrangle, Alaska, by E. M. MacKevett, Jr. 1965 [1966]. Lat 61°15' to 61°30', long 142°30' to 142°52'30". Scale 1:63,360. 24 by 26 inches.
- I-439. Geologic and biostratigraphic map of the Pierre Shale between Jarre Creek and Loveland, Colo., by G. R. Scott and W. A. Cobban. 1965. Lat 39°32'30" to 40°22'30", long 104°50' to 105°17'30". Scale 1:48,000. 41½ by 56½ inches. Accompanied by 4-page text. \$1.
- I-440. Geologic map of the Mouth of Pecos and Feely quadrangles, Val Verde County, Tex., by J. A. Sharps and V. L. Freeman. 1965. Lat 29°30' to 29°45', long 101° to 101°30'. Scale 1:62,500. Structure-contour interval 50 feet. 23 by 42 inches. \$1.
- I-441. Geologic map of the Capitol Peak NW quadrangle, Socorro County, N. Mex., by G. O. Bachman. 1965. Lat 33°22'30" to 33°30', long 106°22'30" to 106°30'. Scale 1:31,680. 26 by 40 inches. Accompanied by 5-page text. 50¢.
- I-442. Geologic map of the Duncan and Canador Peak quadrangles, Arizona and New Mexico, by R. B. Morrison. 1965 [1966]. Lat 32°30' to 32°45', long 108°45' to 109°15'. Scale 1:48,000. 27½ by 50 feet. Accompanied by 7-page text. 75¢.
- I-443. Preliminary geologic map of the Berthoud Pass quadrangle, Clear Creek and Grand Counties, Colo., by P. K. Theobald. 1965. Lat 39°45' to 39°52'30", long 105°45' to 105°52'30". Scale 1:24,000. 28 by 28 inches. 50¢.
- I-444. Preliminary geologic map of the McCarthy C-6 quadrangle, Alaska, by

- E. M. MacKevett, Jr. 1965. Lat 61°30' to 61°45', long 142°52'30" to 143°15'. Scale 1:63,360. 24 by 25 inches. 50¢.
- I-445. Permafrost map of Alaska, compiled by O. J. Ferrians, Jr. 1965. Lat about 54° to 70°, long about 130° to about 174°. Scale 1:2,500,000. 37½ by 49 inches. \$1. (See also Professional Paper 678.)
- I-446. Reconnaissance geologic map of the Adel quadrangle, Lake, Harney, and Malheur Counties, Oreg., by G. W. Walker and C. A. Repenning. 1965. Lat 42° to 43°, long 118° to 120°. Scale 1:250,000. 30½ by 48 inches. 75¢.
- I-447. Geologic map of the Canyon City quadrangle, northeastern Oregon, by C. E. Brown and T. P. Thayer. 1966. Lat 44° to 45°, long 118° to 120°. 1966. Scale 1:250,000. 40½ by 42 inches. \$1.
- I-448. Geologic and crustal cross section of the United States along the 37th parallel, a contribution to the upper mantle project, by Warren Hamilton and L. C. Pakiser. 1965. Scale 1:2,500,000. 36 by 41 inches. \$1.
- I-449. Geologic map and sections of the Ely 3 SW quadrangle, White Pine County, Nev., by A. L. Brokaw and D. R. Shawe. 1965. Lat 39° to 39°07'30", long 114°52'30" to 115°. Scale 1:24,000. 29 by 35 inches. 75¢.
- I-450. Paleotectonic maps of the Permian System, by E. D. McKee, S. S. Oriol, and others. 1967. 20 plates and text (164 pages) in paper case. \$7.50. (See also Professional Paper 515, p. 1.)
- I-451. Map showing relation of land and submarine topography, Nova Scotia to Florida, by Elazar Uchupi. 1965. Scale 1:1,000,000. Sheet 1, 33½ by 41 inches; sheet 2, 33½ by 39 inches; and sheet 3, 33½ by 41 inches. \$1.50 per set.
- I-452. Geologic map of the Maudlow quadrangle, southwestern Montana, by Betty Skipp and A. D. Peterson. 1965. Lat 46° to 46°15', long 111° to 111°15'. Scale 1:24,000. Sheet 1, geologic map; 46 by 51½ inches. Sheet 2, cross sections; 28½ by 36 inches. \$1.50 per set.
- I-453. Map of eastern Prince William Sound area, Alaska, showing fracture traces inferred from aerial photographs, by W. H. Condon. 1965. Lat 60°15' to 61°, long 145°30' to 147°. Scale 1:125,000. 29 by 33 inches. Accompanied by 4-page text. 50¢.
- I-454. Geologic map and sections of the Zuni Mountains fluorspar district, Valencia County, N. Mex., by E. N. Goddard. 1966. Scale 1:31,680. 38 by 44 inches. Accompanied by 3-page text. \$1.
- I-455. Geologic map of the Fairbanks quadrangle, Alaska, by T. L. Péwé, Clyde Wahrhaftig, and Florence Weber. 1966. Lat 64° to 65°, long 147° to 150°. Scale 1:250,000. 24 by 34 inches. Accompanied by 5-page text. 75¢.
- I-456. Bathymetric, topographic, and structural map of the south-central flank of Kilauea Volcano, Hawaii, by J. G. Moore and D. L. Peck. 1965. Lat about 19°05' to 19°25', long about 155°05' to 155°25'. Scale 1:62,500. Contour interval 25 meters. 31½ by 34 inches. 50¢.
- I-457. Reconnaissance geologic map of the west half of the Jordan Valley quadrangle, Malheur County, Oreg., by G. W. Walker and C. A. Repenning. 1966. Lat 42° to 43°, long 117° to 118°. Scale 1:250,000. 26 by 36½ inches. 75¢.
- I-458 (LAC-76). Geologic map of the Rhiphaeus Mountains region of the moon, by R. E. Eggleton. 1965. Lat 0° to 16° S., long 10° to 30° W. Mercator projection. Scale 1:1,000,000 at lat 11°00'45" S. Contour interval 300 meters. 29 by 51 inches. \$1.
- I-459. Regional geologic map of the Hughes quadrangle, Alaska, by W. W.

- Patton, Jr., and T. P. Miller. Lat 66° to 67°, long 153° to 156°. Scale 1:250,000. 36 by 44 inches. 75¢.
- I-460. Map showing foundation and excavation conditions in the Burtonville quadrangle, Kentucky, by Ernest Dobrovolny and R. H. Morris. 1965. Lat 38°22'30" to 38°30', long 83°30' to 83°37'30". Scale 1:24,000. Structure-contour interval 20 feet. 32½ by 34 inches. 75¢.
- I-461. Geologic map of the Newberry quadrangle, San Bernardino County, Calif., by T. W. Dibblee, Jr., and A. M. Bassett. 1966. Lat 34°45' to 35°, long 116°30' to 116°45'. Scale 1:62,500. 23 by 31 inches. Accompanied by 4-page text. 75¢.
- I-462 (LAC-40). Geologic map and section of the Timocharis region of the moon, by M. H. Carr. 1965. Lat 16° to 32° N., long 10° to 30° W. Scale 1:1,000,000. Contour interval 300 meters. 30 by 45 inches. \$1.
- I-463 (LAC-41). Geologic map of the Montes Apenninus region of the moon, by R. J. Hackman. 1966. Lat 16° to 32° N., long 10° E. to 10° W. Scale 1:1,000,000. Contour interval 300 meters. 31½ by 47½ inches. \$1.
- I-464. Reconnaissance geologic map of the west half of the Spokane quadrangle, Washington and Idaho, by A. B. Griggs. 1966. Lat 47° to 48°, long 117° to 118°. Scale 1:125,000. 34 by 41½ inches. 50¢.
- I-465 (LAC-39). Geologic map of the Aristarchus region of the moon, by H. J. Moore. 1965. Lat 16° to 32° N., long 30° to 50° W. Scale 1:1,000,000. Contour interval 300 meters. 32 by 48 inches. \$1.
- I-466. Map showing Precambrian geology of the Menominee iron-bearing district and vicinity, Michigan and Wisconsin, by C. E. Dutton and R. E. Linebaugh. 1967. Vicinity of lat 46°, long 88°15'. Scale 1:125,000. 31 by 44 inches. \$1.
- I-467. Geologic map of the Cady Mountains quadrangle, San Bernardino County, Calif., by T. W. Dibblee, Jr., and A. M. Bassett. 1966. Lat 34°45' to 35°, long 116°15' to 116°30'. Scale 1:62,500. 26 by 31 inches. Accompanied by 5-page text. 75¢.
- I-468. Preliminary geologic map of the Comb Rock quadrangle, Lewis and Clark County, Mont., by R. G. Schmidt. 1966. Lat 47°07'30" to 47°15', long 112°07'30" to 112°15'. Scale 1:24,000. 36 by 42 inches. 50¢.
- I-469. Geologic map of the Kwiguk and Black quadrangles, western Alaska, by J. M. Hoare and W. H. Condon. 1966. Lat 62° to 63°, long 162° to 166°. Scale 1:250,000. 23 by 45 inches. Accompanied by 7-page text. \$1.
- I-470. Geologic map of the Benson quadrangle, Cochise and Pima Counties, Ariz., by S. C. Creasey. 1967. Lat 31°45' to 32°, long 110°15' to 110°30'. Scale 1:48,000. 31 by 32 inches. Accompanied by 11-page text. \$1.
- I-471. Distribution of selected accessory minerals in the Osgood Mountains stock, Humboldt County, Nev., by G. J. Neuerburg. 1966. Lat vicinity 41°10', long vicinity 117°17'. Scale 1:24,000. 28½ by 43 inches. 50¢.
- I-472. Geologic map of the Lavic quadrangle, San Bernardino County, Calif., by T. W. Dibblee, Jr. 1966. Lat 34°30' to 34°45', long 116°15' to 116°30'. Scale 1:62,500. 26 by 31 inches. Accompanied by 5-page text. 75¢.
- I-473. Geologic map of the Corozal quadrangle, Puerto Rico, by A. E. Nelson. 1967. Lat 18°15' to 18°22'30", long 66°15' to 66°22'30". Scale 1:20,000. Structure-contour interval 20 meters. 40 by 42 inches. \$1.
- I-474. Reconnaissance geologic map of the Lathrop Wells 15-minute quadrangle, Nye County, Nev., by B. C. Burchfiel. 1966. Lat 36°30' to 36°45', long 116°15' to 116°30'. Scale 1:62,500. 19½ by 22 inches. Accompanied by 6-page text. 50¢.

- I-475. Map showing relation of land and submarine topography, De Soto Canyon to Great Bahama Bank, by Elazar Uchupi. 1966 [1967]. Lat 23° to 31°, long 79° to 89°. Scale 1:1,000,000. 41½ by 43 inches. \$1.
- I-476. Map showing distribution of ultramafic and intrusive mafic rocks from northern New Jersey to eastern Alabama, by D. M. Larrabee. 1966. Scale 1:500,000. Three sheets, each 32 by 40 inches. \$2 per set.
- I-477. Geologic map of the Ludlow quadrangle, San Bernardino County, Calif., by T. W. Dibblee, Jr. 1967. Lat 34°30' to 34°45', long 116° to 116°15'. Scale 1:62,500. 23 by 32 inches. Accompanied by 4-page text. \$1.
- I-478. Geologic map of the Broadwell Lake quadrangle, San Bernardino County, Calif., by T. W. Dibblee, Jr. 1967. Lat 34°45' to 35°, long 116° to 116°15'. Scale 1:62,500. 24 by 30 inches. Accompanied by 3-page text. \$1.
- I-479. Geologic map of the Aguas Buenas quadrangle, Puerto Rico, by M. H. Pease, Jr. 1968. Lat 18°15' to 18°22'30", long 66° to 66°07'30". Scale 1:20,000. 34 by 53½ inches. \$1.
- I-480. Geologic map of the Utuado quadrangle, Puerto Rico, by A. E. Nelson. 1967. Lat 18°15' to 18°22'30", long 66°37'30" to 66°45'. Scale 1:20,000. 37½ by 43½ inches. \$1.
- I-481. Geologic map of the Coyote Springs quadrangle, Fremont County, Wyo., by P. E. Soister. 1967. Lat 42°37'30" to 42°45', long 107°37'30" to 107°45'. Scale 1:24,000. Contours on erosion surface at base of Wind River Formation, interval 100 feet. 28 by 32 inches. \$1.
- I-482. Geologic map of the Muskrat basin quadrangle, Fremont County, Wyo., by P. E. Soister. 1966 [1967]. Lat 42°37'30" to 42°45', long 107°45' to 107°52'30". Scale 1:24,000. Contours on erosion surface at base of Wind River Formation, interval 100 feet. 28½ by 32 inches. \$1.
- I-483. Geologic map of the Rongis Reservoir SE quadrangle, Fremont County, Wyo., by P. E. Soister. 1966 [1967]. Lat 42°45' to 42°52'30", long 107°45' to 107°52'30". Scale 1:24,000. Contours on erosion surface at base of Wind River Formation, interval 50 feet. 29 by 35 inches. \$1.
- I-484. Geologic map of the Gulf of Alaska Tertiary Province, Alaska, by George Plafker. 1967. Lat 58° to 60°45', long 136° to 147°. Scale 1:500,000. 30 by 54 inches. \$1.
- I-485. (LAC-94). Geologic map of the Pitatus region of the moon, by N. J. Trask and S. R. Titley. 1966. Lat 16° to 32° S., long 10° to 30° W. Scale 1:1,000,000. Contour interval 300 meters. 30 by 50 inches. \$1.
- I-486. Geologic map of the Toston quadrangle, southwestern Montana, by G. D. Robinson. 1967. Lat 46° to 46°15', long 111°15' to 111°30'. Scale 1:24,000. Sheet 1, 40 by 50 inches; sheet 2, 33 by 38 inches. \$1.50 per set.
- I-487. Reconnaissance geologic map of the central San Rafael Mountains and vicinity, Santa Barbara County, Calif., by J. G. Vedder, H. D. Gower, H. E. Clifton, and D. L. Durham. 1967. Lat 34°37'30" to about 34°55', long 119°37'30" to 120°. Scale 1:48,000. 48½ by 42 inches. \$1.
- I-488. Geologic map of the Deadman Lake quadrangle, San Bernardino County, Calif., by T. W. Dibblee, Jr. 1967. Lat 34°15' to 34°30', long 116°15' to 116°15'. Scale 1:62,500. 23 by 30 inches. Accompanied by 3-page text. \$1.
- I-489 (LAC-42). Geologic map of the Mare Serenitatis region of the moon, by M. H. Carr. 1966. Lat 16° to 32° N., long 10° to 30° E. Scale 1:1,000,000. Contour interval 300 meters. 28½ by 48½ inches. \$1.
- I-490. Geologic map of the Emerson Lake quadrangle, San Bernardino County, Calif., by T. W. Dibblee, Jr. 1967. Lat 34°15' to 34°30', long 116°15' to 116°30'. Scale 1:62,500. 23 by 29 inches. Accompanied by 4-page text. \$1.

- I-491 (LAC-56). Geologic map of the Hevelius region of the moon, by J. F. McCauley. 1967. Lat 0° to 16° N., long 50° to 70° W. Scale 1:1,000,000. Contour interval 300 meters. 28 by 47 inches. \$1.
- I-492. Regional geologic map of the Candle quadrangle, Alaska, by W. W. Patton, Jr. 1967. Lat 65° to 66°, long 159° to 162°. Scale 1:250,000. 32 by 37 inches. \$1.
- I-493. Reconnaissance geologic map of the east half of the Crescent quadrangle, Lake, Deschutes, and Crook Counties, Oreg., by G. W. Walker, N. V. Peterson, and R. C. Greene. 1967. Lat 43° to 44°, long 120° to 121°. Scale 1:250,000. 25 by 37 inches. \$1.
- I-494. Geologic map of the south flank of the Markagunt Plateau, northwest Kane County, Utah, by W. B. Cashion. 1967. Lat 37°15' to 37°30', long 112°30' to 112°52'30". Scale 1:62,500. Structure-contour intervals 100 and 200 feet. 26 by 33 inches. \$1.
- I-495 (LAC-93). Geologic map of the Mare Humorum region of the moon, by S. R. Titley. 1967. Lat 16° to 32° S., long 30° to 50° W. Scale 1:1,000,000. Contour interval 300 meters. 29 by 47 inches. \$1.
- I-496. Distribution of selected accessory minerals in the Caribou stock, Boulder County, Colo., by G. J. Neuerburg. 1967. Vicinity of lat 40°, long 105°35'. Scale 1:12,000. 36 by 36 inches. \$1.
- *I-497. Pre-Quaternary geologic and magnetic map and sections of part of the eastern Gogebic Iron Range, Mich., by W. C. Prinz. 1967. Vicinity of lat 46°27'30", long 89°52'. Magnetic-contour interval 5,000 gammas. 27 by 40 inches.
- I-498. Geologic map of the Quebradillas quadrangle, Puerto Rico, by W. H. Monroe. 1967. Lat 18°22'30" to 18°30', long 66°52'30" to 67°. Scale 1:20,000. Structure-contour interval 10 meters. 34 by 39 inches. \$1.
- I-499. Reconnaissance geologic map of the Ash Fork quadrangle, Yavapai and Coconino Counties, Ariz., by M. H. Krieger. 1967. Lat 35° to 35°15', long 112°15' to 112°30'. Scale 1:62,500. 23 by 23 inches. 50¢.
- I-500. Reconnaissance geologic map of the Picacho Butte quadrangle, Yavapai and Coconino Counties, Ariz., by M. H. Krieger. Lat 35° to 35°15', long 112°30' to 112°45'. Scale 1:62,500. 23½ by 23½ inches. 50¢.
- I-501. Reconnaissance geologic map of the Turkey Canyon quadrangle, Yavapai County, Ariz., by M. H. Krieger. 1967. Lat 35° to 35°15', long 112°45' to 113°. Scale 1:62,500. 22 by 23 inches. 50¢.
- I-502. Reconnaissance geologic map of the Camp Wood quadrangle, Yavapai County, Ariz., by M. H. Krieger. 1967. Lat 34°45' to 35°, long 112°45' to 113°. Scale 1:62,500. 22 by 23 inches. 50¢.
- I-503. Reconnaissance geologic map of the Simmons quadrangle, Yavapai County, Ariz., by M. H. Krieger. 1967. Lat 34°45' to 35°, long 112°30' to 112°45'. Scale 1:62,500. 23 by 24 inches. 50¢.
- I-504. Reconnaissance geologic map of the Iron Springs quadrangle, Yavapai County, Ariz., by M. H. Krieger. 1967. Lat 34°30' to 34°45', long 112°30' to 112°45'. Scale 1:62,500. 23 by 24 inches. 50¢.
- I-505. Reconnaissance geologic map of the Sheridan Mountain quadrangle, Yavapai County, Ariz., by M. H. Krieger. 1967. Lat 34°30' to 34°45', long 112°45' to 113°. Scale 1:62,500. 22 by 22 inches. 50¢.
- I-506. Generalized geologic map of the Inyo Mountains Region, Calif., compiled by D. C. Ross. 1967. Lat 36°30' to 37°30', long 117°30' to 118°15'. Scale 1:125,000. 33½ by 39 inches. \$1.
- I-507. Multiple glaciation of the Yukon-Tanana Upland, Alaska, by T. L. Péwé,

- Lawrence Burbank, and L. R. Mayo. 1967. Lat 141° to 151°30', long 63° to 66°. Scale 1:500,000. 33 by 51 inches. \$1.
- I-508. Geologic map of the Naranjito quadrangle, Puerto Rico, by M. H. Pease, Jr. 1968. Lat 18°15' to 18°22'30", long 66°07'30" to 66°15'. Scale 1:20,000. 36½ by 45 inches. \$1.
- I-509. Geologic map of the Huachuca and Mustang Mountains, southeastern Arizona, by P. T. Hayes and R. B. Raup. 1968. Lat 31°20' to 31°30', long 110°07'30" to 110°30'. Scale 1:48,000. 37 by 54½ inches. \$1.
- I-510 (LAC-60). Geologic map of the Julius Caesar quadrangle of the moon, by E. C. Morris and D. E. Wilhelms. 1967. Lat 0° to 16° N., long 10° to 30° E. Scale 1:1,000,000. Contour interval 600 meters. 31 by 46 inches. \$1.
- I-511. Geologic map of the Brevard fault zone near Atlanta, Ga., by M. W. Higgins. 1968. Lat 33°30' to 34°, long 84°22'30" to 84°52'30". Scale 1:48,000. 40½ by 50 inches. \$1.
- I-512. Geologic map of California, compiled by U.S. Geological Survey and California Division of Mines and Geology. 1966. Scale 1:2,500,000. 17 by 21½ inches. 25¢.
- I-513. Geologic map of the northwest quarter of the Hatch Point quadrangle, San Juan County, Utah, by E. N. Hinrichs, W. J. Krummel, Jr., J. J. Connor, and H. J. Moore III. 1967. Lat 38°22'30" to 38°30', long 109°37'30" to 109°45'. Scale 1:24,000. Structure-contour interval 100 feet. 26 by 28 inches. \$1.
- I-514-A. Engineering geology of the Northeast Corridor, Washington, D.C., to Boston, Mass.: Bedrock geology. 1967. Scale 1:250,000. Sheets 1-5, 28 by 34 inches; sheet 6, 39 by 46 inches; and sheet 7, 25 by 26 inches. Accompanied by 9-page text. \$2.50 per set.
- I-514-B. Engineering geology of the Northeast Corridor, Washington, D.C., to Boston, Mass.: Coastal plain and surficial deposits. 1967. Sheets 1-5, scale 1:250,000. Sheets 1-3, 32 by 36 inches; sheet 4, 29 by 37 inches; sheet 5, 29 by 33 inches; sheet 6, 37 by 44 inches; sheet 7, 38 by 46 inches. Sheet 8, 26 by 26 inches. Scale 1:1,500,000. Accompanied by 9-page text. \$2.50 per set.
- I-514-C. Engineering geology of the Northeast Corridor, Washington, D.C., to Boston, Mass.: Earthquake epicenters, geothermal gradients, and excavations and borings. 1967. Scale 1:1,500,000. Sheet 1, 25 by 26 inches, sheet 2, 26 by 30 inches. \$1 per set.
- I-515 (LAC-58). Geologic map of the Copernicus quadrangle of the moon, by H. H. Schmitt, N. J. Trask, and E. M. Shoemaker. 1967. Lat 0° to 16° N., long 10° to 30° W. Scale 1:1,000,000. Contour interval 300 meters. 31 by 53 inches. \$1.
- I-516. Geologic map of the Joshua Tree quadrangle, San Bernardino and Riverside Counties, Calif., by T. W. Dibblee, Jr. 1967. Lat 34° to 34°15', long 116°15' to 116°30'. Scale 1:62,500. 23 by 33 inches. Accompanied by 3-page text. 75¢.
- I-517. Geologic map of the Morongo Valley quadrangle, San Bernardino and Riverside Counties, Calif., by T. W. Dibblee, Jr. 1967. Lat 34° to 34°15', long 116°30' to 116°45'. Scale 1:62,500. 25 by 31 inches. Accompanied by 4-page text. 75¢.
- I-518. Geologic map of the Old Woman Springs quadrangle, San Bernardino County, Calif., by T. W. Dibblee, Jr. 1967. Lat 34°15' to 34°30', long 116°30' to 116°45'. Scale 1:62,500. 22 by 34½ inches. Accompanied by 5-page text. 75¢.

- I-519. Geologic map of the Adjuntas quadrangle, Puerto Rico, by P. H. Mattson. 1968. Lat 18°07'30" to 18°15', long 66°37'30" to 66°45'. Scale 1:20,000. 36 by 51 inches. \$1.
- I-520. Geologic map of the Jayuya quadrangle, Puerto Rico, by P. H. Mattson. 1968. Lat 18°07'30" to 18°15', long 66°30' to 66°37'30". Scale 1:20,000. 38 by 50 inches. \$1.
- I-521. Map showing relation of land and submarine topography, Mississippi Delta to Bahia de Campeche, by Elazar Uchupi. 1968. Scale 1:1,000,000. Sheet 1, 32 by 39½ inches; sheet 2, 33½ by 37½ inches. \$1.50 per set.
- I-522. Approximate location of fault traces and historic surface ruptures within the Hayward fault zone between San Pablo and Warm Springs, Calif., by D. H. Radbruch. 1967. Lat 37°22'30" to 38°, long 122° to 122°30'. Scale 1:62,500. 30 by 48½ inches. \$1.
- I-523. Geologic map of the Hooper Bay quadrangle, Alaska, by J. M. Hoare and W. H. Condon. 1968. Lat 61° to 62°, long 165° to 168°. Scale 1:250,000. 23 by 28 inches. Accompanied by 4-page text. \$1.
- I-524. Engineering geologic map of the southeastern Copper River basin, Alaska, by D. R. Nichols and L. A. Yehle. 1969. Lat 61°30' to 62°15', long 144°22'30" to 145°30'. Scale 1:125,000. 34 by 45 inches. \$1.
- I-525. Geologic map of the Bayaney quadrangle, Puerto Rico, by A. E. Nelson and O. T. Tobisch. 1968. Lat 18°15' to 18°22'30", long 66°45' to 66°52'30". Scale 1:20,000. 34½ by 41 inches. \$1.
- I-526. Geologic map of the northeast quarter of the Hatch Point quadrangle, San Juan County, Utah, by E. N. Hinrichs, W. J. Krummel, Jr., H. J. Moore, 3d, and J. J. Connor. 1968. Lat 38°22'30" to 38°30', long 109°30' to 109°37'30". Scale 1:24,000. Structure-contour interval 100 feet. 28 by 29 inches. \$1.
- I-527 (LAC-38). Geologic map of the Seleucus quadrangle of the moon, by H. J. Moore. 1967. Lat 16° to 32° N., long 50° to 70° W. Scale 1:1,000,000. Contour interval 300 meters. 29½ by 47 inches. \$1.
- I-528. Geological maps of anthracite-bearing rocks in the west-central part of the southern anthracite field, Pennsylvania, eastern area, by Gordon H. Wood, Jr., J. Peter Trexler, and Thomas M. Kehn. 1968. Scale 1:12,000. Sheets 1-4, geology; contour interval 20 feet. Sheet 1, lat 40°41'15" to 40°45', long 76°15' to about 76°22'30"; 22 by 46 inches. Sheet 2, lat 40°37'30" to 40°41'15", long 76°15' to 76°22'30"; 34 by 39 inches. Sheet 3, lat 40°37'30" to 40°41'15", long 76°22'30" to 76°30'; 28 by 30 inches. Sheet 4, lat about 40°33'45" to 40°37'30", long 76°22'30" to 76°30'; 32 by 39 inches. Sheets 5-6, structure sections. Sheet 5, 37 by 45 inches. Sheet 6, 34 by 39 inches. \$2.50 per set.
- I-529. Geologic maps of anthracite-bearing rocks in the west-central part of the southern anthracite field, Pennsylvania, western area, by G. H. Wood, Jr., and J. P. Trexler. 1968. Scale 1:12,000. Sheet 1, 28 by 32 inches; sheet 2, 28 by 38 inches; sheet 3, 29 by 39 inches; and sheet 4, 39½ by 43 inches. \$2 per set.
- I-530. Regional geologic map of the Selawik and southeastern Baird Mountains quadrangle, Alaska, by W. W. Patton, Jr., and T. P. Miller. 1968. Lat 66° to 67°30', long 159° to 162°. Scale 1:250,000. 36 by 41 inches. \$1.
- I-531-A. Transcontinental geophysical survey (35°-39° N.) magnetic map from the coast of California to 133° W. longitude, by R. K. Lattimore, B. G. Bassinger, and Omar DeWald. 1968. Scale 1:1,000,000. Magnetic-contour interval 100 gammas. 25 by 51 inches. 50¢.

- I-531-B. Transcontinental geophysical survey (35°-39° N.) gravity and bathymetric map from the coast of California to 133° W. longitude, by R. K. Lattimore, S. A. Bush, and P. A. Bush. 1968. Lat 35° to 39°, long 120° to 133°. Scale 1:1,000,000. Gravity-contour interval 20 milligals. Bathymetric contour interval 200 meters. 25 by 52 inches. 50¢.
- I-532-A. Transcontinental geophysical survey (35°-39° N.) magnetic map from 112° W. longitude to the coast of California, by Isidore Zietz and J. R. Kirby. 1968. Lat 35° to 39°, long 112° to 124°. Scale 1:1,000,000. Magnetic-contour interval 100 gammas. 26 by 49½ inches. 50¢.
- I-532-B. Transcontinental geophysical survey (35°-39° N.) Bouguer gravity map from 112° W. longitude to the coast of California, compiled by the U.S. Air Force Aeronautical Chart and Information Center. 1968. Lat 35° to 39°, long 112° to 124°. Scale 1:1,000,000. Bouguer gravity-contour interval 10 milligals. 24 by 49½ inches. 50¢.
- I-532-C. Transcontinental geophysical survey (35°-39° N.) geologic map from 112° W. longitude to the coast of California, by J. E. Carlson and Ronald Willden. 1968. Lat 35° to 39°, long 112° to 124°. Scale 1:1,000,000. 28 by 55 inches. \$1.
- I-532-D. Transcontinental geophysical survey (35°-39° N.) seismic refraction profiles of the crust and upper mantle from 112° W. longitude to the coast of California, by D. H. Warren. 1968. Lat 35° to 39°, long 112° to 124°. Scale 1:1,000,000. 30 by 50 inches. Accompanied by 4-page text. 50¢.
- I-533-A. Transcontinental geophysical survey (35°-39° N.) magnetic map from 100° to 112° W. longitude, by Isidore Zietz and J. R. Kirby. 1968. Lat 35° to 39°, long 100° to 112°. Scale 1:1,000,000. Magnetic-contour interval 100 gammas. 26 by 50 inches. 50¢.
- I-533-B. Transcontinental geophysical survey (35°-39° N.) Bouguer gravity map from 100° to 112° W. longitude, compiled by the U.S. Air Force Aeronautical Chart and Information Center. 1968. Lat 35° to 39°, long 100° to 112°. Scale 1:1,000,000. Bouguer gravity-contour interval 10 milligals. 24 by 49½ inches. 50¢.
- I-533-C. Transcontinental geophysical survey (35°-39° N.) geologic map from 100° to 112° W. longitude, by J. E. Carlson and Ronald Willden. 1968. Lat 35° to 39°, long 100° to 112°. Scale 1:1,000,000. 28 by 53 inches. \$1.
- I-533-D. Transcontinental geophysical survey (35°-39° N.) seismic refraction profiles of the crust and upper mantle from 100° to 112° W. longitude, by D. H. Warren. 1968. Lat 35° to 39°, long 100° to 112°. Scale 1:1,000,000. 29 by 49½ inches. Accompanied by 4-page text. 50¢.
- I-534-A. Transcontinental geophysical survey (35°-39° N.) magnetic map from 87° to 100° W. longitude, by Isidore Zietz and J. R. Kirby. 1968. Scale 1:1,000,000. Magnetic-contour interval 100 gammas. 28 by 52½ inches. 50¢.
- I-534-B. Transcontinental geophysical survey (35°-39° N.) Bouguer gravity map from 87° to 100° W. longitude, compiled by the U.S. Air Force Aeronautical Chart and Information Center. 1968. Lat 35° to 39°, long 87° to 100°. Scale 1:1,000,000. Bouguer gravity-contour interval 10 milligals. 24 by 53 inches. 50¢.
- I-534-C. Transcontinental geophysical survey (35°-39° N.) geologic map from 87° to 100° W. longitude, by Ronald Willden and J. E. Carlson. 1968. Lat 35° to 39°, long 87° to 100°. Scale 1:1,000,000. 28 by 55 inches. \$1.
- I-534-D. Transcontinental geophysical survey (35°-39° N.) seismic refraction profiles of the crust and upper mantle from 87° to 100° W. longitude

- by D. H. Warren, 1968. Scale 1:1,000,000. 29 by 50 inches. Accompanied by 4-page text. 50¢.
- I-535-A. Transcontinental geophysical survey (35°-39° N.) magnetic and bathymetric map from 74° to 87° W. longitude, by Isidore Zietz, H. P. Stockard, J. R. Kirby. 1968. Scale 1:1,000,000. Magnetic-contour interval 100 gammas. 26½ by 51½ inches. 75¢.
- I-535-B. Transcontinental geophysical survey (35°-39° N.) Bouguer gravity map from 74° to 87° W. longitude, compiled by the U.S. Air Force Aeronautical Chart and Information Center. 1968. Lat 35° to 39°, long 74° to 87°. Scale 1:1,000,000. Bouguer gravity-contour interval 10 milligals. 24 by 52½ inches. 50¢.
- I-535-C. Transcontinental geophysical survey (35°-39° N.) geologic map from the east coast of the United States to 87° W. longitude, by Ronald Willden, J. C. Reed, Jr., and J. E. Carlson. 1968. Lat 35° to 39°, long 74° to 87°. Scale 1:1,000,000. 28 by 55 inches. \$1.
- I-535-D. Transcontinental geophysical survey (35°-39° N.) seismic refraction profiles of the crust and upper mantle from 74° to 87° W. longitude, by D. H. Warren. 1968. Lat 35° to 39°, long 74° to 87°. Scale 1:1,000,000. 26 by 49½ inches. Accompanied by 4-page text. 50¢.
- I-536. Transcontinental geophysical survey (35°-39° N.) magnetic and bathymetric map from 63° to 74° W. longitude, by Isidore Zietz, U. S. Geological Survey, H. P. Stockard, U.S. Naval Oceanographic Office, and J. R. Kirby, U.S. Geological Survey. 1968. Lat 35° to 39°, long 63° to 74°. Scale 1:1,000,000. Magnetic-contour interval 100 gammas. 25 by 44 inches. 75¢.
- I-537. Transcontinental geophysical survey (35°-39° N.) radiometric age determinations of rocks, by R. R. Marvin. 1968. Lat 35° to 39°, long 74° to 124°. Scale 1:7,500,000. 26 by 31 inches. Accompanied by 25-page text. 50¢.
- I-539. Geologic map of the Shirley basin area, Albany, Carbon, Converse, and Natrona Counties, Wyo., by E. N. Harshman. 1968. Lat 42°15' to 42°30', long 106° to 106°30'. Scale 1:48,000. Contours on pre-Wind River erosion surface, interval 100 feet. 30½ by 46 inches. \$1.
- I-540. Reconnaissance geologic map of the Eagle Rock quadrangle, Crook County, Oreg., by A. C. Waters and R. H. Vaughan. 1968. Lat 44° to 44°15', long 120°30' to 120°45'. Scale 1:62,500. 19 by 22½ inches. 75¢.
- I-541. Reconnaissance geologic map of the Ochoco Reservoir quadrangle, Crook County, Oreg., by A. C. Waters and R. H. Vaughan. 1968. Lat 44°15' to 44°30', long 120°30' to 120°45'. Scale 1:62,500. 19 by 23 inches. 75¢.
- I-542. Reconnaissance geologic map of the Post quadrangle, Crook County, Oreg., by A. C. Waters. 1968. Lat 44° to 44°15', long 120°15' to 120°30'. Scale 1:62,500. 19 by 23 inches. 75¢.
- I-543. Reconnaissance geologic map of the Lookout Mountain quadrangle, Crook and Wheeler Counties, Oreg., by C. M. Swinney, A. C. Waters, and C. P. Miller. 1968. Lat 44°15' to 44°30', long 120°15' to 120°30'. Scale 1:62,500. 19 by 23 inches. 75¢.
- I-544. Geologic map of the Zuni Salt Lake volcanic crater, Catron County, N. Mex., by David Cummings. 1968. Scale 1:6,000. 29½ by 30½ inches. 75¢.
- I-545. Geologic map of the northern half of the Black Mountain quadrangle, Nye County, Nev., by C. L. Rogers, E. B. Ekren, D. C. Noble, and J. E.

- Weir. 1968. Lat 37°22'30" to 37°30', long 116°30' to 116°45'. Scale 1:62,500. 23 by 23 inches. \$1.
- I-546 (LAC-78). Geologic map of the Theophilus quadrangle of the moon, by D. J. Milton. 1968. Lat 0° to 16° S., long 10° to 30° E. Scale 1:1,000,000. 29 by 48 inches. \$1.
- I-547. Geologic map of Fox Mountain quadrangle, Santa Barbara County, Calif., by J. G. Vedder. 1968. Lat 34°45' to 34°52'30", long 119°30' to 119°37'30". Scale 1:24,000. 39 by 50 inches. \$1.
- I-548 (LAC-59). Geologic map of the Mare Vaporum quadrangle of the moon, by D. E. Wilhelms. 1968. Lat 0° to 16° N., long 10° E. to 10° W. Scale 1:1,000,000. 33½ by 53 inches. \$1.
- I-549. Bedrock topography of eastern Morris and western Essex Counties, N.J., by W. D. Nichols. 1968. Lat 40°42'30" to 40°55', long 74°15' to 74°22'30". Scale 1:24,000. Bedrock-contour interval 20 feet. 34 by 47 inches. 75¢.
- I-550. Surficial geologic map of Yucca Flat, Nye and Lincoln Counties, Nev., by A. T. Fernald, G. S. Corchary, and W. P. Williams. 1968. Lat 36°52'30" to 37°15', long 115°52'30" to 116°15'. Scale 1:48,000. Contours on base of surficial deposits, interval 500 feet. 38½ by 45½ inches. \$1.
- I-551. Geologic map of the Arecibo quadrangle, Puerto Rico, by R. P. Briggs. 1968. Lat 18°22'30" to 18°30', long 66°37'30" to 66°45'. Scale 1:20,000. Structure-contour interval 20 meters. 31½ by 48 inches. \$1.
- I-552. Geologic map and sections of parts of the Portland and Belvidere quadrangles, New Jersey-Pennsylvania, by A. A. Drake, Jr., J. B. Epstein, and J. M. Aaron. 1969. Lat 40°45' to 41°, long 75° to 75°07'30". Scale 1:24,000. 32 by 50½ inches. \$1.
- I-553. Map showing recently active breaks along the San Andreas fault between Tejon Pass and Cajon Pass, southern California, by D. C. Ross. 1969. Scale 1:24,000. 40½ by 57½ inches. \$1.
- I-554. Regional geologic map of the Shunknak and southern part of the Ambler River quadrangles, Alaska, by W. W. Patton, Jr., T. P. Miller, and I. L. Tailleir. 1968. Lat 66° to 67°26'15", long 156° to 159°. Scale 1:250,000. 32 by 48 inches. \$1.
- I-555. Reconnaissance geologic map of the Madras quadrangle, Jefferson and Wasco Counties, Oreg., by A. C. Waters. 1968. Lat 44°30' to 45°, long 121° to 121°30'. Scale 1:125,000. 22 by 23½ inches. 75¢.
- I-556. Reconnaissance geologic map of the Dufur quadrangle, Hood River, Sherman, and Wasco Counties, Oreg., by A. C. Waters. 1968. Lat 45° to 45°30', long 121° to 121°30'. Scale 1:125,000. 23 by 23 inches. 75¢.
- I-557. Geologic map of the Soda Springs quadrangle, southeastern Idaho, by F. C. Armstrong. 1969. Lat 42°30' to 42°45', long 111°30' to 111°45'. Scale 1:48,000. Gravity-contour interval 2 milligals. Sheet 1, 28 by 54 inches; sheet 2, 32 by 38 inches. \$1.50 per set.
- I-558. Geologic map of the Trinidad quadrangle, south-central Colorado, by R. B. Johnson. 1969. Lat 37° to 38°, long 104° to 106°. Scale 1:250,000. Structure-contour intervals 200 and 500 feet. 26 by 46½ inches. \$1.
- I-559. Geochemical prospecting for copper, lead, and zinc in the west-central part of the Negaunee quadrangle, Marquette County, Mich., by Kenneth Segerstrom. 1968. Scale 1:62,500. 29 by 35½ inches. 75¢.
- I-560. Geologic and structure contour map of the La Junta quadrangle, Colorado and Kansas, by G. R. Scott. 1968 [1969]. Lat 37° to 38°, long

- 102° to 104°. Scale 1:250,000. Structure-contour intervals 100 and 200 feet. 25 by 42½ inches. \$1.
- I-561. Geologic map of the Twentynine Palms quadrangle, San Bernardino and Riverside Counties, Calif., by T. W. Dibblee, Jr. 1968. Lat 34° to 34°15', long 116° to 116°15'. Scale 1:62,500. 22 by 30 inches. Accompanied by 3-page text. 75¢.
- I-562. Geologic map of the southwest quarter of the Black Mountain quadrangle, Nye County, Nev., by D. C. Noble and R. L. Christiansen. 1968. Lat 37°15' to 37°22'30", long 116°37'30" to 116°45'. Scale 1:24,000. 29½ by 33 inches. \$1.
- I-563. Geologic map and sections of the southwest quarter of the Dillon quadrangle, Eagle and Summit Counties, Colo., by M. H. Bergendahl. 1969. Lat 39°30' to 39°37'30", long 106°07'30" to 106°15'. Scale 1:24,000. 30½ by 34 inches. \$1.
- I-564. Preliminary geologic map of the Roberts Mountain quadrangle, Lewis and Clark County, Mont., by R. G. Schmidt and C. P. Strong, Jr. 1968. Lat 47° to 47°07'30", long 112°07'30" to 112°15'. Scale 1:24,000. 33½ by 42½ inches. 50¢.
- I-565. Geologic map of the Moca and Isabela quadrangles, Puerto Rico, by W. H. Monroe. 1969. Lat 18°22'30" to 18°31'49.2", long 67° to 67°07'30". Scale 1:20,000. Structure-contour interval 20 meters. 39 by 39 inches. \$1.
- I-566. (LAC-77; RLC-13). Geologic map of the Ptolemaeus quadrangle of the moon, by K. A. Howard and Harold Masursky. 1968. Lat 0° to 16° S., long 10° E. to 10° W. Scale 1:1,000,000. 29½ by 53½ inches. \$1.
- I-567. Geologic map of the Pahute Mesa, Nevada test site and vicinity, Nye County, Nev., by P. P. Orkild, K. A. Sargent, and R. P. Snyder. 1969. Lat 37°07'30" to 37°30', long 116°15' to 116°37'30". Scale 1:48,000. 42 by 49 inches. Accompanied by 5-page text. \$1.
- I-568. Reconnaissance geologic map of the east half of the Bend quadrangle, Crook, Wheeler, Jefferson, Wasco, and Deschutes Counties, Oreg., by D. A. Swanson. 1969 [1970]. Lat 44° to 45°, long 120° to 121°. Scale 1:250,000. 30 by 40 inches. \$1.
- I-569. Geologic map of the Aguadilla quadrangle, Puerto Rico, by W. H. Monroe. 1969. Lat 18°22'30" to 18°30', long 67°07'30" to 67°15'. Scale 1:20,000. Structure-contour interval 20 meters. 36½ by 38½ inches. \$1.
- I-570. Map showing areal distribution of Tertiary rocks, Bates Hole-Shirley basin area, south-central Wyoming, by N. M. Denson and E. N. Harshman. 1969. Scale 1:125,000. Contours on pre-Wind River Formation erosion surface, interval 100 feet. 23 by 32½ inches. \$1.
- I-571. Geologic map of the Jemez Mountains, N. Mex., by R. L. Smith, R. A. Bailey, and C. S. Ross. 1970. Lat 35°15' to 36°15', long 106° to 107°. Scale 1:250,000. 39 by 50 inches. \$1.
- I-572. Geologic map of the Teller B-4 and southern part of the Teller C-4 quadrangles, western Seward Peninsula, Alaska, by C. L. Sainsbury. 1969. Lat 65°20' to 65°45', long 166°30' to 167°. Scale 1:63,360. 25½ by 31 inches. \$1.
- I-573. Geologic map of the Charley River quadrangle, east-central Alaska, by E. E. Brabb and Michael Churkin, Jr. 1969 [1970]. Lat 65° to 66°, long 141° to 144°. Scale 1:250,000. 29 by 45 inches. \$1.
- I-574. Map showing recently active breaks along the San Andreas and related faults between Cholame Valley and Tejon Pass, Calif., by J. G. Vedder

- and R. E. Wallace. 1970. Scale 1:24,000. Sheet 1, 30½ by 52 inches; sheet 2, 34½ by 52 inches. \$1 per set.
- I-575. Map showing recently active breaks along the San Andreas and related faults between the northern Gabilan Range and Cholame Valley, Calif., by R. D. Brown, Jr. 1970. Scale 1:62,500. 29½ by 51½ inches. \$1.
- I-576. Bedrock geologic map of the Marenisco-Watersmeet area, Gogebic and Ontonagon Counties, Mich., by C. E. Fritts. 1969 [1970]. Lat 46°15' to 46°30', long 89° to 89°45'. Scale 1:48,000. 35 by 57 inches. Accompanied by 5-page text. \$1.
- I-577. Geologic map of the Roaring Creek area, Randolph County, W. Va., by K. J. Englund. 1969. Vicinity of lat 38°53', long 79°58'. Scale 1:12,000. Structure-contour interval 10 feet. 41½ by 49½ inches. \$1.
- I-578. Geologic map of the Wheeler Peak and Garrison quadrangles, Nevada and Utah, by D. H. Whitebread. 1969 [1970]. Lat 38°45' to 39°, long 114° to 114°30'. Scale 1:48,000. 36 by 49 inches. Accompanied by 7-page text. \$1.
- I-579. Reconnaissance geologic map of the Riggins quadrangle, west-central Idaho, by Warren Hamilton. 1969. Lat 45° to 45°30', long 116° to 116°30'. Scale 1:125,000. 21 by 53 inches. \$1.
- I-580. Geologic map of the Mackay quadrangle, south-central Idaho, by W. H. Nelson and C. P. Ross. 1969 [1970]. Lat 43°30' to 44°, long 113°30' to 114°. Scale 1:125,000. Structure-contour interval 500 feet. 22 by 23 inches. \$1.
- I-581. Geologic map of the Four Corners quadrangle, Wyoming and South Dakota, by J. A. Van Lieu. 1969. Lat 44° to 44°15', long 104° to 104°15'. Scale 1:48,000. 24 by 28 inches. 75¢.
- I-582. Preliminary geologic map of the Columbia area, Carbon and Emery Counties, Utah, by F. W. Osterwald, C. R. Dunrud, and J. O. Maberry. 1969. Scale 1:6,000. Sheet 2, structure-contour interval 100 feet. Two sheets, each 32 by 38 inches. \$1.25 per set.
- I-583. Geologic map of Washington, compiled by A. E. Weissenborn. 1969. Lat 46° to 49°, long 118° to 124°. Scale 1:2,000,000. 11 by 29 inches. 25¢.
- I-585. Geologic map of the Wells Ranch and Elkhorn Hills quadrangles, San Luis Obispo and Kern Counties, Calif., showing juxtaposed Cenozoic rocks along the San Andreas fault, by J. G. Vedder. 1970. Sheet 1, lat 35° to 35°07'30", long 119°30' to 119°45'; scale 1:24,000; 41 by 48 inches. Sheet 2, 22 by 39 inches. \$1 per set.
- I-586 (RLC-15). Geologic map of the Alphonsus GA region of the moon, by J. F. McCauley. 1969. Lat 12°25' to 13°13' S., long 1°50' to 2°50' W. Scale 1:50,000. 29 by 45 inches. \$1.
- I-587. Tectonic structure of the main part of the basalt of the Columbia River Group, Washington, Oregon, and Idaho, by R. C. Newcomb. 1970. Lat 44° to 48°, long 116° to 122°. Scale 1:500,000. 42 by 46 inches. \$1.
- I-588. Geologic map of part of the Carmichaels quadrangle, southwestern Pennsylvania, by B. H. Kent. 1969 [1970]. Lat 39°30" to 40°, long 79°52'30" to 80°. Scale 1:24,000. Structure-contour interval 20 feet. 30 by 34 inches. \$1.
- I-590. Surficial and engineering geology of the central part of the Yukon-Koyukuk lowland, Alaska, by F. R. Weber and T. L. Péwé. 1970. Sheet 1, lat about 64°45' to 65°30', long 156° to 158°; scale 1:125,000, 35 by 48 inches. Sheet 2, 30 by 36½ inches. \$1.25 per set.

- I-592. Geologic map of the Daggett quadrangle, San Bernardino County, Calif., by T. W. Dibblee, Jr. 1970. Lat 34°45' to 35°, long 116°45' to 117°. Scale 1:62,500. 27 by 30 inches. Accompanied by 6-page text. \$1.
- I-593. Reconnaissance geologic map of the Tanacross quadrangle, Alaska, by H. L. Foster. 1970. Lat 63° to 64°, long 141° to 144°. Scale 1:250,000. 24 by 57½ inches. \$1.
- I-594 (RLC-9). Geologic map of the Sabine DM region of the moon, by N. J. Trask. 1969. Lat 1°57' to 2°45' N., long 23°30' to 24°30' E. Scale 1:50,000. 25 by 43 inches. \$1.
- I-595. Geologic map of Oregon, by G. W. Walker and P. B. King. 1969. Scale 1:2,000,000. 14 by 26 inches. 25¢.
- I-596. Map showing bedrock topography and subcrop of selected beds beneath alluvial deposits of the Sutherland quadrangle, Daviess County, Ky., by A. E. Smith. 1969. Lat 37°37'30" to 37°45', long 87° to 87°07'30". Scale 1:24,000. Topographic-contour interval 20 feet. 22 by 34 inches. 50¢.
- I-597. Geologic map of the southwest and southeast Pueblo quadrangles, Colorado, by G. R. Scott. 1969 [1970]. Lat 38°07'30" to 38°15', long 104°30' to 104°45'. Scale 1:24,000. 28 by 48 inches. \$1.
- I-599 (RLC-14). Geologic map of the Alphonsus region of the moon, by M. H. Carr. 1969 [1970]. Lat 11°30' to 15°30' S., long 0° to 5° W. Scale 1:250,000. 26½ by 46½ inches. \$1.
- I-600. Geologic map of the northern part of the San Andres Mountains, central New Mexico, by G. O. Bachman and R. L. Harbour. 1970. Lat 33°15' to 33°30', long 106°22'30" to 106°45'. Scale 1:62,500. 24 by 33 inches. \$1.
- I-601. Preliminary geologic map of the Black River quadrangle, east-central Alaska, compiled by E. E. Brabb. 1970. Lat 66° to 67°, long 141° to 144°. Scale 1:250,000. 23 by 38 inches. 75¢.
- I-602 (LAC-24). Geologic map of the Sinus Iridum quadrangle of the moon, by G. G. Schaber. 1969 [1970]. Lat 32° to 48° N., long 14° to 38° W. Scale 1:1,000,000. 26½ by 46 inches. \$1.
- I-604 (LAC-11). Geologic map of the J. Herschel quadrangle of the moon, by G. E. Ulrich. 1969 [1970]. Lat 48° to 64° N., long 20° to 50° W. Scale 1:1,000,000. 32 by 49 inches. \$1.
- I-609. Map showing citrate-soluble heavy metals in stream sediments, Ossipee Lake quadrangle, Carroll County, N.H., by D. P. Cox. 1969 [1970]. Lat 43°45' to 44°, long 71° to 71°15'. Scale 1:62,500. 23 by 24 inches. 50¢.
- I-613. Geologic map of the Sahuarita quadrangle, southeast of Tucson, Pima County, Ariz., by Harald Drewes. 1971 [1970]. Lat 31°45' to 32°, long 110°45' to 111°. Scale 1:48,000. 31½ by 34 inches. \$1.
- I-616 (ORB II-2 (100)). Geologic map of the Maskelyne DA region of the moon, Lunar Orbiter site II P-2, southeastern Mare Tranquillitatis including Apollo landing site 1, by M. H. Carr. 1970. Lat about 2° to about 3°24' N., long about 33° to 35° E. Scale 1:100,000. 25 by 42 inches. Accompanied by 4-page text. \$1.
- I-617 (ORB II-2(25)). Geologic map of Apollo landing site 1, part of Maskelyne DA region southeastern Mare Tranquillitatis, by D. E. Wilhelm. 1970. Lat 2°26' to 2°50' N., long 33°50' to 34°15' E. Scale 1:25,000. 25½ by 43 inches. Accompanied by 4-page text. \$1.
- I-618 (ORB II-6 (100)). Geologic map of the Sabine D region of the moon, Lunar Orbiter site II P-6, southwestern Mare Tranquillitatis including Apollo landing site 2, by M. J. Grolier. 1970. Lat about 1°57' N. to 0°11'

- S., long about 22°55' to 25°21' E. 29 by 46 inches. Accompanied by 4-page text. \$1.
- I-619 (ORB II-6(25)). Geologic map of Apollo landing site 2 (Apollo 11), part of Sabine D region southwestern Mare Tranquillitatis, by M. J. Grolier. 1970. Lat about 34' to about 54' N., long 23°24' to 23°54' E. Scale 1:25,000. 24 by 41 inches. Accompanied by 4-page text. \$1.
- I-622 (ORB II-13 (100)). Geologic map of the Maestlin G region of the moon, Lunar Orbiter site II P-13, Oceanus Procellarum, including Apollo landing site 5, by M. H. Carr and S. R. Titley. 1969 [1970]. Lat 0°42' to 2°41' N., long 40°36' to 42°48' W. Scale 1:100,000. 28 by 47 inches. Accompanied by 4-page text. \$1.
- I-623 (ORB II-13 (25)). Geologic map of Apollo landing site 5, part of Maestlin G region Oceanus Procellarum, by S. R. Titley and N. J. Trask. 1969 [1970]. Scale 1:25,000. 23 by 42 inches. Accompanied by 4-page text. \$1.
- I-630. Surficial geologic map of the Mooers quadrangle and part of the Rouses Point quadrangle, Clinton County, N.Y., by C. S. Denny. 1970. Lat 44°45' to 45°, long 73°20' to 73°45'. Scale 1:62,500. 29½ by 34 inches. \$1.
- I-631. Lithologic, geophysical, and mineral commodity maps of Precambrian rocks in Wisconsin, by C. E. Dutton and R. E. Bradley. 1970. Sheets 1-3, lat about 44° to about 47°, long about 87° to about 92°; scale 1:500,000; each sheet 35 by 44 inches. Sheet 1, lithologic data. Sheet 2, magnetic and Bouguer gravity contours; magnetic-contour intervals 100, 200, and 400 gammas and gravity-contour interval 10 milligals. Sheet 3, areal geology. Sheet 4, explanation; 29 by 40 inches. Sheet 5, lithologic data, areal geology, magnetic and gravity contours; lat about 43° to about 44°, long about 87° to about 91°; scale 1:500,000; magnetic-contour intervals 100, 200, and 400 gammas and gravity-contour interval 10 milligals; 19 by 34 inches. Sheet 6, northern Wisconsin and part of Michigan showing mineral commodity localities (Wisconsin only) and metamorphic zones; lat about 44° to about 47°, long 87° to about 93°; scale 1:1,000,000; 22 by 23 inches. Accompanied by 15-page text. \$2.50 per set.
- I-632. World subsea mineral resources, by V. E. McKelvey and F. F. H. Wang. 1969. Sheet 1, 24 by 28½ inches; sheets 2-4, 34 by 43 inches. Accompanied by 17-page text. \$2.75 per set. (Reprinted 1970, slightly revised.)
- I-659. Map showing landforms and sedimentary deposits of the Padre Island portion of the South Bird Island 7.5-minute quadrangle, Texas, by R. E. Hunter and K. A. Dickinson. 1970. Lat 27°22'30" to 27°30', long 97°15' to 97°22'30". Scale 1:24,000. 31 by 38 inches. \$1.
- I-666 (LAC-25). Geologic map of the Cassini quadrangle of the moon, by N. J. Page. 1970. Lat 10° E. to 14° W., long 32° N. to 48° N. Scale 1:1,000,000. 29 by 45½ inches. \$1.
- I-708. Geologic map of part of the Fra Mauro region of the moon, by T. W. Offield. Lat about 3°8' to about 3°56' S., long about 17°7' to about 17°33' W. Scale 1:25,000. Accompanied by 2-page text. Also geologic map of the Fra Mauro region of the Moon, by R. E. Eggleton. 1970. Lat about 2°30' to about 5°30' S., long about 15°30' to about 19° W. Scale 1:250,000. Accompanied by 3-page text. Each sheet 36 by 52 inches. \$1 per set.

GEOLOGIC ATLAS OF THE MOON

[Designation in parentheses refers to base maps]

- I-458 (LAC-76). Geologic map of the Rhipaeus Mountains region of the moon, by R. E. Eggleton. 1965. Lat 0° to 16° S., long 10° to 30° W. Mercator projection. Scale 1:1,000,000 at lat 11°00'45" S. Contour interval 300 meters. 29 by 51 inches. \$1.
- I-462 (LAC-40). Geologic map and section of the Timocharis region of the moon, by M. H. Carr. 1965. Lat 16° to 32° N., long 10° to 30° W. Scale 1:1,000,000. Contour interval 300 meters. 30 by 45 inches. \$1.
- I-463 (LAC-41). Geologic map of the Montes Apenninus region of the moon, by R. J. Hackman. 1966. Lat 16° to 32° N., long 10° E. to 10° S. Scale 1:1,000,000. Contour interval 300 meters. 31½ by 47½ inches. \$1.
- I-465 (LAC-39). Geologic map of the Aristarchus region of the moon, by H. J. Moore. 1965. Lat 16° to 32° N., long 30° to 50° W. Scale 1:1,000,000. Contour interval 300 meters. 32 by 48 inches. \$1.
- I-485 (LAC-94). Geologic map of the Pitatus region of the moon, by N. J. Trask and S. R. Titley. 1966. Lat 16° to 32° S., long 10° to 30° W. Scale 1:1,000,000. Contour interval 300 meters. 30 by 50 inches. \$1.
- I-489 (LAC-42). Geologic map of the Mare Serenitatis region of the moon, by M. H. Carr. 1966. Lat 16° to 32° N., long 10° to 30° E. Scale 1:1,000,000. Contour interval 300 meters. 28½ by 48½ inches. \$1.
- I-491 (LAC-56). Geologic map of the Hevelius region of the moon, by J. F. McCauley. 1967. Lat 0° to 16° N., long 50° to 70° W. Scale 1:1,000,000. Contour interval 300 meters. 28 by 47 inches. \$1.
- I-495 (LAC-93). Geologic map of the Mare Humorum region of the moon, by S. R. Titley. 1967. Lat 16° to 32° S., long 30° to 50° W. Scale 1:1,000,000. Contour interval 300 meters. 29 by 47 inches. \$1.
- I-510 (LAC-60). Geologic map of the Julius Caesar quadrangle of the moon, by E. C. Morris and D. E. Wilhelms. 1967. Lat 0° to 16° N., long 10° to 30° E. Scale 1:1,000,000. Contour interval 600 meters. 31 by 46 inches. \$1.
- I-515 (LAC-58). Geologic map of the Copernicus quadrangle of the moon, by H. H. Schmitt, N. J. Trask, and E. M. Shoemaker. 1967. Lat 0° to 16° N., long 10° to 30° W. Scale 1:1,000,000. Contour interval 300 meters. 31 by 53 inches. \$1.
- I-527 (LAC-38). Geologic map of the Seleucus quadrangle of the moon, by H. J. Moore. 1967. Lat 16° to 32° N., long 50° to 70° W. Scale 1:1,000,000. Contour interval 300 meters. 29½ by 47 inches. \$1.
- I-546 (LAC-78). Geologic map of the Theophilus quadrangle of the moon, by D. J. Milton. 1968. Lat 0° to 16° S., long 10° to 30° E. Scale 1:1,000,000. 29 by 48 inches. \$1.
- I-548 (LAC-59). Geologic map of the Mare Vaporum quadrangle of the moon, by D. E. Wilhelms. 1968. Lat 0° to 16° N., long 10° E. to 10° W. Scale 1:1,000,000. 33½ by 53 inches. \$1.
- I-566 (LAC-77; RLC-13). Geologic map of the Ptolemaeus quadrangle of the moon, by K. A. Howard and Harold Masursky. 1968. Lat 0° to 16° S., long 10° E. to 10° W. Scale 1:1,000,000. 29½ by 53½ inches. \$1.
- I-586 (RLC-15). Geologic map of the Alphonsus GA region of the moon, by J. F. McCauley. 1969. Lat 12°25' to 13°13' S., long 1°50' to 2°50' W. Scale 1:50,000. 29 by 45 inches. \$1.
- I-594 (RLC-9). Geologic map of the Sabine DM region of the moon, by N.

- J. Trask. 1969. Lat 1°57' to 2°45' N., long 23°30' to 24°30' E. Scale 1:50,000. 25 by 43 inches. \$1.
- I-599 (RLC-14). Geologic map of the Alphonsus region of the moon, by M. H. Carr. 1969 [1970]. Lat 11°30' to 15°30' S., long 0° to 5° W. Scale 1:250,000. 26½ by 46½ inches. \$1.
- I-602 (LAC-24). Geologic map of the Sinus Iridum quadrangle of the moon, by G. G. Schaber. 1969 [1970]. Lat 32° to 48° N., long 14° to 38° W. Scale 1:1,000,000. 26½ by 46 inches. \$1.
- I-604 (LAC-11). Geologic map of the J. Herschel quadrangle of the moon, by G. E. Ulrich. 1969 [1970]. Lat 48° to 64° N., long 20° to 50° W. Scale 1:1,000,000. 32 by 49 inches. \$1.
- I-616 (ORB II-2(100)). Geologic map of the Maskelyne DA region of the moon, Lunar Orbiter site II P-2, southeastern Mare Tranquillitatis including Apollo landing site 1, by M. H. Carr. 1970. Lat about 2° to about 3°24' N., long about 33° to 35° E. Scale 1:100,000. 25 by 42 inches. Accompanied by 4-page text. \$1.
- I-617 (ORB II-2(25)). Geologic map of Apollo landing site 1, part of Maskelyne DA region southeastern Mare Tranquillitatis, by D. E. Wilhelms. 1970. Lat 2°26' to 2°50' N., long 33°50' to 34°15' E. Scale 1:25,000. 25½ by 43 inches. Accompanied by 4-page text. \$1.
- I-618 (ORB II-6 (100)). Geologic map of the Sabine D region of the moon, Lunar Orbiter site II P-6, southwestern Mare Tranquillitatis including Apollo landing site 2, by M. J. Grolier. 1970. Lat about 1°57' N. to 0°11' S., long about 22°55' to 25°21' E. 29 by 46 inches. Accompanied by 4-page text. \$1.
- I-619 (ORB II-6(25)). Geologic map of Apollo landing site 2 (Apollo 11), part of Sabine D region southwestern Mare Tranquillitatis, by M. J. Grolier. 1970. Lat about 34' to about 54' N., long 23°24' to 23°54' E. Scale 1:25,000. 24 by 41 inches. Accompanied by 4-page text. \$1.
- I-622 (ORB II-13 (100)). Geologic map of the Maestlin G region of the moon, Lunar Orbiter site II P-13, Oceanus Procellarum, including Apollo landing site 5, by M. H. Carr and S. R. Titley. 1969 [1970]. Lat 0°42' to 2°41' N., long 40°36' to 42°48' W. Scale 1:100,000. 28 by 47 inches. Accompanied by 4-page text. \$1.
- I-623 (ORB II-13 (25)). Geologic map of Apollo landing site 5, part of Maestlin G region Oceanus Procellarum, by S. R. Titley and N. J. Trask. 1969 [1970]. Scale 1:25,000. 23 by 42 inches. Accompanied by 4-page text. \$1.
- I-666 (LAC-25). Geologic map of the Cassini quadrangle of the moon, by N. J. Page. 1970. Lat 10° E. to 14° W., long 32° N. to 48° N. Scale 1:1,000,000. Sheet 29 by 45½ inches. \$1.
- I-708. Geologic map of part of the Fra Mauro region of the moon, by T. W. Offield. Lat about 3°8' to about 3°56' S., long about 17°7' to about 17°33' W. Scale 1:25,000. Accompanied by 2-page text. Also geologic map of the Fra Mauro region of the moon, by R. E. Eggleton. 1970. Lat about 2°30' to about 5°30' S., long about 15°30' to about 19° W. Scale 1:250,000. Accompanied by 3-page text. Each sheet 36 by 52 inches. \$1 per set.

MINERAL RESOURCE MAPS AND CHARTS

The following maps, which are listed in "Publications of the Geological Survey, 1879-1961" as being in print, are now out of print:

Listed under Missouri Basin Studies: 7 and 10.

Listed under General Mineral Resource Maps:

Geologic and structure contour map of the Cedar Creek anticline, Dawson, Prairie, Wilbaux, and Fallon Counties, Mont., and Bowman County, N. Dak.

Preliminary map showing geologic structure of part of Rio Arriba County, N. Mex.

Preliminary map showing structure of Byron-Frannie area, Big Horn and Park Counties, Wyo.

Geologic map of North Dakota southwest of the Missouri River.

Interpreting geologic maps for engineering purposes—Hollidaysburg quadrangle, Pennsylvania.

COAL INVESTIGATIONS MAPS

- C-45. Geology and fuel resources of the southwestern part of the Raton coal field, Colfax County, N. Mex., by A. A. Wanek. 1963 [1964]. Scale 1:48,000. Structure-contour interval 100 feet. Sheet 1, 37 by 48 inches; sheet 2, 38 by 50 inches. \$1 per set.
- C-46. Geology of anthracite in the eastern part of the Shamokin quadrangle, Northumberland County, Pa., by Walter Danilchik, H. H. Arndt, and G. H. Wood, Jr. 1962. Lat 40°45' to 40°50', long 76°30' to 76°33'45". Scale 1:12,000. Topographic-contour interval 20 feet, structure-contour interval 100 feet. Two sheets, each 40 by 46 inches. \$1.25 per set.
- C-47. Geology of anthracite in the western part of the Shamokin quadrangle, Northumberland County, Pa., by H. H. Arndt, Walter Danilchik, and G. H. Wood, Jr. 1963. Lat 40°45' to 40°50', long 76°33'45" to 76°37'30". Scale 1:12,000. Sheet 1, coal-outcrop map and structure-contour map of the Buck Mountain coal bed; contour interval 20 feet; 38 by 46 inches. Sheet 2, cross sections and composite stratigraphic sections. \$1.25 per set.
- C-48. Geology of anthracite in the southern part of the Trevorton quadrangle, Northumberland County, Pa., by H. H. Arndt, G. H. Wood, Jr., and Walter Danilchik. 1963. Lat 40°45' to 40°47'30", long 76°37'30" to 76°45'. Scale 1:12,000. Two sheets, each about 40 by 46 inches. \$1.25 per set.
- C-50. Preliminary lithologic and structural map of Sunnyside No. 1 mine area, Carbon County, Utah, by F. W. Osterwald. 1962. Scale 1:6,000. Contour interval 20 feet. Sheet 1, 40 by 45½ inches; sheet 2, 40 by 41½ inches. \$1 per set.
- C-51. Topographic and geologic map of the Knob Creek area of the Wishbone Hill district, Matanuska coal field, Alaska, by F. F. Barnes. 1962. Scale 1:6,000. Contour interval 20 feet. 34 by 39 inches. 50¢.
- C-52. Geologic map of the Heart Butte NW quadrangle, Morton and Grant

- Counties, N. Dak., by E. V. Stephens. 1970. Lat 46°37'30" to 46°45', long 101°52'30" to 102°. Scale 1:24,000. 28 by 34 inches. 50¢.
- C-53. Geologic map of the Heart Butte quadrangle, Morton and Grant Counties, N. Dak., by E. V. Stephens. 1970. Lat 46°37'30" to 46°45', long 101°45' to 101°52'30". Scale 1:24,000. 28 by 34 inches. 50¢.

OIL AND GAS INVESTIGATIONS

MAPS

[The following oil and gas investigations maps, which are listed in "Publications of the Geological Survey, 1879-1961" as being in print, are now out of print: 13, 14, 22, 43, 49, 63, 72, 83, 101, 103, 114, 118, 134, 152, 175 and 190]

- OM-205. Geology of the Big Piney area, Sublette County, Wyo., by N. C. Privrasky. 1963. Lat 42°22'30" to 42°37'30", long 110°07'30" to 110°22'30". Sheet 1, geologic map, scale 1:31,680, structure sections, and text; 40 by 49 inches. Sheet 2, diagrammatic section, composite stratigraphic section, table showing all wells drilled in the area before 1957, and brief explanatory text; 34 by 36 inches. \$1 per set.
- OM-208. Reconnaissance geologic map of parts of Harding, San Miguel, and Mora Counties, N. Mex., by A. A. Wanek. 1962. Lat 35°30' to 36°, long 104° to 104°30'. Scale 1:96,000. 40 by 45½ inches. 75¢.
- OM-211. Geology of the Melstone-Sumatra area in central Montana, by H. R. Smith. 1962. Scale 1:63,360. 31 by 50 inches. 75¢.
- OM-212. Preliminary geologic map of the Fort Hill quadrangle, Lincoln County, Wyo., by S. S. Oriel. 1963. Lat 42° to 42°15', long 110°15' to 110°30'. Scale 1:48,000. Contour interval 50 feet. 30 by 39 inches. 50¢.
- OM-213. Geology of the east Thermopolis area, Hot Springs and Washakie Counties, Wyo., by G. H. Horn. 1963. Lat about 43°37'30" to 43°48'45", long about 107°35' to about 108°07'. Scale 1:48,000. Structure-contour interval 500 feet. 41 by 56 inches. 75¢.
- OM-214. Map of Texas showing oil and gas fields, pipelines, and areas of exposed basement rocks, by S. D. Vlissides. 1964. Scale 1:1,000,000. 42 by 52 inches. 75¢.
- OM-215. Map showing distribution and configuration of basement rocks in California, by M. B. Smith. 1964. Sheet 1, north half; lat about 37° to 42°, long about 118° to 124°. Sheet 2, south half; lat about 33° to 37°, long about 114° to 122°. Scale 1:500,000. Each sheet 44 by 63½ inches. \$1.50 per set.
- OM-216. Geologic map of the Thornburg oil and gas field and vicinity, Moffat and Rio Blanco Counties, Colo., by J. R. Dyni. 1966. Area lies in the vicinity of lat 40°15', long 107°40'. Scale 1:24,000. Structure-contour interval 250 feet in eastern two-thirds of map area, 500 feet in western one-third. 39 by 49 inches. Accompanied by 7-page text. 50¢.
- OM-217. Geologic map of the southeastern Caliente Range, San Luis Obispo County, Calif., by J. G. Vedder and C. A. Repenning. 1965. Lat 34°56'45" to 35°06'46", long 119°30' to 119°45'. Scale 1:24,000. 38 by 55½ inches. 50¢.

CHARTS

[The following oil and gas investigations charts which are listed in "Publications of the Geological Survey, 1879-1961" as being in print, are now out of print: 26 and 31]

- OC-63. Block diagram of the San Rafael Group and underlying strata in

- Utah and part of Colorado, by J. C. Wright and D. D. Dickey. 1963. Lat about 37° to 42°, long 108° to 114°. Scale 1:2,534,300. 31 by 52 inches. 50¢.
- OC-64. Correlation of Devonian rock units in the Appalachian Basin, by W. A. Oliver, Jr., Wallace de Witt, Jr., J. M. Dennison, D. M. Hoskins, and J. W. Huddle. 1969. 25 by 54 inches. 50¢.

MINERAL INVESTIGATIONS

FIELD STUDIES MAPS

[The following mineral investigations field studies maps, which are listed in "Publications of the Geological Survey, 1879-1961" as being in print, are now out of print: 17, 22, 31, 32, and 138]

- MF-175. Red iron-ore beds of Silurian age in northeastern Alabama, northwestern Georgia, and eastern Tennessee, by J. W. Whitlow. 1962. Scale 1:250,000. Sheet 1, contour intervals 50 and 100 feet; 34 by 40 inches. Sheet 2, contour interval 100 feet; 36 by 49 inches. \$1 per set.
- MF-205. Geologic reconnaissance map of part of the southeastern Mojave Desert, Calif., by D. H. Kupfer and A. M. Bassett. 1962. Most of area lies between lat 34° to 35° and long 115° to 116°30'. Scale 1:125,000. Contour interval 100 feet. 41 by 50 inches. \$1.
- MF-241. Exploration for uranium-vanadium deposits by U.S. Geological Survey 1948-56 in western Disappointment Valley area, Slick Rock district, San Miguel County, Colo., by W. B. Rogers and D. R. Shawe. 1962. Scale 1:12,000. Contour interval 100 feet. Sheet 1, 31 by 45 inches; sheet 2, 25 by 44 inches; and sheet 3, 22 by 36 inches. \$1.50 per set.
- MF-242. Geologic and structure map of the Minnekahta NE quadrangle, Fall River and Custer Counties, S. Dak., by D. E. Wolcott, C. G. Bowles, D. A. Brobst, and E. V. Post. 1962. Lat 43°22'30" to 43°30', long 103°30' to 103°37'30". Scale 1:24,000. Contour interval 10 feet. 25 by 27 inches. 50¢.
- MF-243. Preliminary geologic map of the northern Elkhorn Mountains, Jefferson and Broadwater Counties, Mont., by H. W. Smedes. 1962. Lat 46°25'30" to 46°30', long 111°45' to 112°. Scale 1:24,000. Contour interval 40 feet. 41 by 50 inches. 50¢.
- MF-244. Preliminary geologic map and sections of the Wheeler Peak quadrangle, White Pine County, Nev., by D. H. Whitebread, A. B. Griggs, W. B. Rogers, and J. W. Mytton. 1962. Lat 38°45' to 39°, long 114°15' to 114°30'. Scale 1:48,000. Contour interval 40 feet. 34 by 34½ inches. 50¢.
- MF-245. Preliminary geologic map of the Unionville quadrangle, Nevada, by R. E. Wallace, D. B. Tatlock, N. J. Silberling, and W. P. Irwin. 1962. Lat 40°15' to 40°30', long 118° to 118°15'. Scale 1:48,000. Contour interval 40 feet. 29 by 42½ inches. 50¢.
- MF-246. Preliminary geologic map of the Elk Park quadrangle, Jefferson and Silver Bow Counties, Mont., by H. W. Smedes, M. R. Klepper, D. M. Pinckney, G. E. Becraft, and E. T. Ruppel. 1962. Lat 46° to 46°15', long 112°15' to 112°30'. Scale 1:48,000. Contour interval 40 feet. 28 by 28 inches. 50¢.
- MF-247. Preliminary geologic map of the Nome C-1 quadrangle, Seward Peninsula, Alaska, by C. H. Hummel. 1962. Lat 64°30' to 64°45', long

- 165° to 165°30'. Scale 1:63,360. Contour interval 50 feet. 24 by 31 inches. 50¢.
- MF-248. Preliminary geologic map of the Nome D-1 quadrangle, Seward Peninsula, Alaska, by C. H. Hummel. 1962. Lat 64°45' to 65°, long 165° to 165°30'. Scale 1:63,360. Contour interval 50 feet. 22 by 34 inches. 50¢.
- MF-249. Preliminary geologic map of the northeast quarter of the Shelby quadrangle, Cleveland County, N.C., by R. G. Yates and W. C. Overstreet. 1962. Lat 35°22'30" to 35°30', long 81°30' to 81°37'30". Scale 1:24,000. Contour interval 20 feet. 28 by 29 inches. 50¢.
- MF-250. Preliminary geologic map of the southeast quarter of the Shelby quadrangle, Cleveland County, N.C., by W. C. Overstreet and W. R. Griffiths. 1962. Lat 35°15' to 35°22'30", long 81°30' to 81°37'30". Scale 1:24,000. Contour interval 20 feet. 28½ by 29½ inches. 50¢.
- MF-251. Preliminary geologic map of the Panamint Butte quadrangle, Inyo County, Calif., by W. E. Hall and H. G. Stephens. 1962. Lat 36°15' to 36°30', long 117°15' to 117°30'. Scale 1:48,000. Contour interval 40 feet. 28½ by 34½ inches. 50¢.
- MF-252. Preliminary geologic map of the southwest quarter of the Shelby quadrangle, Cleveland and Rutherford Counties, N.C., by W. R. Griffiths, R. G. Yates, and W. C. Overstreet. 1962. Lat 35°15' to 35°22'30", long 81°37'30" to 81°45'. Scale 1:24,000. Contour interval 20 feet. 28½ by 30 inches. 50¢.
- MF-253. Preliminary geologic map of the western part of the Superior quadrangle, Pinal County, Ariz., by D. W. Peterson. 1962. Lat 33°15' to 33°22'30", long 111°02'30" to 111°07'30". Scale 1:12,000. Contour interval 40 feet. 42 by 50 inches. 50¢.
- MF-254. Preliminary geologic map of the Independence quadrangle, Inyo County, Calif., by D. C. Ross. 1962. Lat 36°45' to 37°, long 118° to 118°15'. Scale 1:48,000. Contour interval 80 feet. 36 by 44 inches. 50¢.
- MF-255. Cenozoic geology and sections of the Ione quadrangle, Nye County, Nev., by C. J. Vitaliano. 1963. Lat 38°45' to 39°, long 117°30' to 117°45'. Scale 1:62,500. Contour interval 40 feet. 21 by 25 inches. 50¢.
- MF-256. Preliminary geologic map of the Blanco Mountain quadrangle, Inyo and Mono Counties, Calif., by C. A. Nelson. 1963. Lat 37°15' to 37°30', long 118° to 118°15'. Scale 1:48,000. Contour interval 80 feet. 27 by 38 inches. 50¢.
- MF-257. Geologic map of the southern part of the Casar quadrangle, Cleveland, Lincoln, and Burke Counties, N.C., showing areas mined for monazite and mica, by W. C. Overstreet, J. W. Whitlow, A. M. White, and W. R. Griffiths. 1963. Lat 35°30' to 35°32'30", long 81°30' to 81°37'30". Scale 1:24,000. Contour interval 40 feet. 26 by 34 inches. 50¢.
- MF-258. Preliminary geologic map of the northwest quarter of the Shelby quadrangle, Cleveland and Rutherford Counties, N.C., by R. G. Yates. 1963. Lat 35°22'30" to 35°30', long 81°37'30" to 81°45'. Scale 1:24,000. Contour interval 100 feet. 28 by 31 inches. 50¢.
- MF-259. Preliminary geologic map of the Phillips quadrangle, Maine, by R. H. Moench. 1963. Lat 44°45' to 45°, long 70°15' to 70°30'. Scale 1:62,500. Contour interval 20 feet. 35½ by 44 inches. 50¢.
- MF-260. Reconnaissance geologic map of the eastern half of the Klamath Falls (AMS) quadrangle, Lake and Klamath Counties, Oreg., by G. W.

- Walker. 1963. Lat 42° to 43°, long 120° to 121°. Scale 1:250,000. Contour interval 200 feet. 27 by 40 inches. 50¢.
- MF-261. Structure-contour map of the Olive Hill Clay Bed in northeastern Kentucky, by J. W. Hosterman. 1963. Lat 37°52'30" to 39°52'30", long 83°15' to 83°45'. Scale 1:125,000. Contour interval 100 feet. 29 by 37 inches. 50¢.
- MF-262. Preliminary geologic map of the Garns Mountain SE quadrangle, Bonneville and Teton Counties, Idaho, by M. H. Staatz and H. F. Albee. 1963. Lat 43°30' to 43°37'30", long 111°15' to 111°22'30". Scale 1:24,000. Contour interval 50 feet. 32 by 42 inches. 50¢.
- MF-263. Geologic map of the Riddle Cut quadrangle, Carbon County, Wyo., by Harry McAndrews. 1963. Lat 42° to 42°07'30", long 107°07'30" to 107°15'. Scale 1:24,000. Contour interval 20 feet. 25 by 33 inches. 50¢.
- MF-264. Geologic map of the Castagne quadrangle, Carbon County, Mont., by H. L. Smith. 1963. Lat 45°15' to 45°22'30", long 109°15' to 109°22'30". Scale 1:24,000. Contour interval 20 feet. 26 by 28 inches. 50¢.
- MF-265. Geologic map of the Cooney Reservoir quadrangle, Carbon and Stillwater Counties, Mont., by A. A. Wanek. 1963. Lat 45°22'30" to 45°30', long 109°07'30" to 109°15'. Scale 1:24,000. Contour interval 20 feet. 32 by 32 inches. 50¢.
- MF-266. Geologic map of the Roberts quadrangle, Carbon County, Mont., by H. D. Zeller. 1963. Lat 45°15' to 45°22'30", long 109°07'30" to 109°15'. Scale 1:24,000. Contour interval 20 feet. 31 by 38 inches. 50¢.
- MF-267. Geologic map of the Roscoe NE quadrangle, Stillwater and Carbon Counties, Mont., by E. D. Patterson. 1963. Lat 45°22'30" to 45°30', long 109°15' to 109°22'30". Scale 1:24,000. Contour interval 20 feet. 28 by 29 inches. 50¢.
- MF-268. Geochemical and heavy-mineral reconnaissance of the Kannapolis quadrangle, North Carolina, by Henry Bell, III. 1963. Lat 35°22'30" to 35°30", long 80°37'30" to 85°45'. Scale 1:24,000. 30 by 40 inches. 50¢.
- MF-269. Geologic map and section of Kellyland and Vanceboro quadrangles, Maine, by D. M. Larrabee. 1963. Lat 45°15' to about 45°37', long 67°25' to 67°30'. Scale 1:48,000. Contour interval 20 feet. 34 by 41 inches. 50¢.
- MF-270. Geologic map of the Rapids quadrangle, Carbon and Stillwater Counties, Mont., by A. A. Wanek. 1963. Lat 45°30' to 45°37'30", long 109° to 109°07'30". Scale 1:24,000. Contour interval 20 feet. 30 by 32 inches. 50¢.
- MF-271. Preliminary geologic map of the Hot Sulphur Springs SE quadrangle, Grand County, Colo., by G. A. Izett and D. L. Hoover. 1963. Lat 40° to 40°07'30", long 106° to 106°07'30". Scale 1:24,000. Contour interval 80 feet. 32 by 32 inches. 50¢.
- MF-272. Geochemical and heavy-mineral reconnaissance of the Harrisburg quadrangle, North Carolina, by Henry Bell III. 1964. Lat 35°15' to 35°22'30", long 80°37'30" to 80°45'. Scale 1:24,000. 29½ by 44 inches. 50¢.
- MF-273. Preliminary geologic map of the Mount Wilson quadrangle, San Miguel County [and Dolores County], Colo., by C. S. Bromfield and A. R. Conroy. 1963 [1964]. Lat 37°45' to 37°52'30", long 107°52'30" to 108°. Scale 1:24,000. 34 by 44½ inches. 50¢.
- MF-274. Preliminary geologic map of the Garns Mountain NE quadrangle,

- Teton County, Idaho, by H. F. Albee. 1964. Lat 43°37'30" to 43°45', long 111°15' to 111°22'30". Scale 1:24,000. 33½ by 38 inches. 50¢.
- MF-275. Preliminary geologic map of the Weaverville quadrangle, California, by W. P. Irwin. 1963 [1964]. Lat 40°30' to 40°45', long 122°45' to 123°. Scale 1:62,500. 26 by 32 inches. 50¢.
- MF-276. Preliminary geologic map of the Hunters quadrangle, Stevens and Ferry Counties, Wash., by A. B. Campbell and O. B. Raup. 1964. Lat 48° to 48°15', long 118° to 118°15'. Scale 1:48,000. 28 by 38 inches. 50¢.
- MF-277. Geology of the Conant Valley quadrangle, Bonneville County, Idaho, by D. A. Jobin and M. L. Schroeder. 1964. Lat 43°22'30" to 43°30', long 111°22'30" to 111°30'. Scale 1:24,000. 33 by 36 inches. 50¢.
- MF-278. Heavy metals in stream sediment, west-central Maine, by E. V. Post and J. B. Hite. 1963. Lat 45° to 46°, long 68°30' to 71°15'. Scale 1:250,000. 23 by 41 inches. 50¢. (Revised 1964.)
- MF-279. Geologic map of the Stonyford quadrangle, Glenn, Colusa, and Lake Counties, Calif., by R. D. Brown, Jr. 1964. Lat 39°15' to 39°30', long 122°30' to 122°45'. Scale 1:48,000. 34 by 35 inches. Accompanied by 3-page text. 50¢.
- MF-280. Geologic map of the Husum quadrangle, Washington, by R. A. Sheppard. 1964. Lat 45°45' to 46°, long 121°15' to 121°30'. Scale 1:62,500. 25½ by 30 inches. 50¢.
- MF-281. Preliminary geologic map of the Merced Peak quadrangle, California, by D. L. Peck. 1964. Lat 37°30' to 37°45', long 119°15' to 119°30'. Scale 1:48,000. 29 by 35 inches. 50¢.
- MF-282. Reconnaissance bedrock geology of the Wabassus Lake quadrangle, Washington County, Maine, by D. M. Larrabee. 1964. Lat 45° to 45°15', long 67°45' to 68°. Scale 1:62,500. 25 by 30 inches. 50¢.
- MF-283. Preliminary geologic map of the Wilmont Creek quadrangle, Ferry and Stevens Counties, Wash., by G. E. Becraft. 1964. Lat 48° to 48°15', long 118°15' to 118°30'. Scale 1:48,000. 29 by 31 inches. 50¢.
- MF-284. Geologic map of the Thompson Peak quadrangle, Bonneville County, Idaho, by D. A. Jobin and P. E. Soister. 1964. Lat 43°22'30" to 43°30', long 111°07'30" to 111°15'. Scale 1:24,000. 32 by 40 inches. 50¢.
- MF-285. Geology of the NE¼ of the Essex Mountain quadrangle, Sweetwater County, Wyo., by H. D. Zeller and E. V. Stephens. 1964. Lat 42°07'30" to 42°15', long 109° to 109°07'30". Scale 1:24,000. 32 by 34 inches. 50¢.
- MF-286. Geology of the Pinnacles NW quadrangle, Sweetwater County, Wyo., by H. D. Zeller and E. V. Stephens. 1964. Lat 42°07'30" to 42°15', long 108°37'30" to 108°45'. Scale 1:24,000. 28½ by 31 inches. 50¢.
- MF-287. Geology of the Irwin quadrangle, Bonneville County, Idaho, by D. A. Jobin and M. L. Schroeder. 1964. Lat 43°22'30" to 43°30', long 111°15' to 111°22'30". Scale 1:24,000. 30½ by 30½ inches. 50¢.
- MF-288. Geology of the NE¼ of Freighter Gap quadrangle, Sweetwater County, Wyo., by H. D. Zeller and E. V. Stephens. 1964. Lat 42°07'30" to 42°15', long 108°45' to 108°52'30". Scale 1:24,000. 30 by 32 inches. 50¢.
- MF-289. Geology of the NW¼ of Freighter Gap quadrangle, Sweetwater County, Wyo., by H. D. Zeller and E. V. Stephens. 1964. Lat 42°07'30" to 42°15', long 108°52'30" to 109°. Scale 1:24,000. 31 by 31 inches. 50¢.
- MF-290. Geology of the Devils Slide quadrangle, Morgan and Summit Counties, Utah, by T. E. Mullens and W. H. Laraway. 1964. Lat 41° to

- 41°07'30", long 111°30' to 111°37'30". Scale 1:24,000. 29½ by 31 inches. 50¢.
- MF-291. Preliminary geologic map of the Hot Sulphur Springs SW quadrangle, Grand County, Colo., by G. A. Izett and C. S. V. Barclay. 1964. Lat 40° to 40°07'30", long 106°07'30" to 106°15'. Scale 1:24,000. 30½ by 34 inches. 50¢.
- MF-292. Geologic map of the Continental Peak quadrangle, Fremont and Sweetwater Counties, Wyo., by H. D. Zeller and E. V. Stephens. 1964. Lat 42°15' to 42°22'30", long 108°37'30" to 108°45'. Scale 1:24,000. 26 by 31 inches. 50¢.
- MF-293. Geologic map of the Dickie Springs quadrangle, Fremont and Sweetwater Counties, Wyo., by H. D. Zeller and E. V. Stephens. 1964. Lat 42°15' to 42°22'30", long 108°45' to 108°52'30". Scale 1:24,000. 27 by 32 inches. 50¢.
- MF-294. Geologic map of the Pacific Springs quadrangle, Fremont and Sweetwater Counties, Wyo., by H. D. Zeller and E. V. Stephens. 1964. Lat 42°15' to 42°22'30", long 108°52'30" to 109°. Scale 1:24,000. 26½ by 32½ inches. 50¢.
- MF-295. Geologic map of the Hay Meadow Reservoir quadrangle, Sublette, Fremont, and Sweetwater Counties, Wyo., by H. D. Zeller and E. V. Stephens. 1964. Lat 42°15' to 42°22'30", long 109° to 109°07'30". Scale 1:24,000. 27 by 31½ inches. 50¢.
- MF-296. Geologic map of the Parting of the Ways quadrangle, Sublette and Sweetwater Counties, Wyo., by H. D. Zeller and E. V. Stephens. 1964. Lat 42°15' to 42°22'30", long 109°07'30" to 109°15'. Scale 1:24,000. 27 by 32 inches. 50¢.
- MF-297. Geologic map of the Tule Butte quadrangle, Sweetwater County, Wyo., by H. D. Zeller and E. V. Stephens. 1964. Lat 42°07'30" to 42°15', long 109°07'30" to 109°15'. Scale 1:24,000. 29 by 30 inches. 50¢.
- MF-298. Preliminary geologic map of Esmeralda County, Nev., by J. P. Albers and J. H. Stewart. 1965. Scale 1:200,000. 40½ by 48 inches. 50¢.
- MF-299. Preliminary geologic map of the SW¼ of the Bancroft quadrangle, Bannock and Caribou Counties, Idaho, by S. S. Oriel. 1965. Lat 42°30' to 42°37'30", long 111°52'30" to 112°. Scale 1:24,000. 28 by 31 inches. 50¢.
- MF-300. Geologic map of the Driggs quadrangle, Bonneville and Teton Counties, Idaho, and Teton County, Wyo., by E. H. Pampeyan, M. L. Schroeder, E. M. Schell, and E. R. Cressman. 1967. Lat 43°30' to 43°45', long 111° to 111°15'. Scale 1:31,680. 41½ by 42 inches. 75¢.
- MF-301. Map of southeastern Maine showing heavy metals in stream sediments, by E. V. Post, W. L. Lehmbeck, W. H. Dennen, and G. A. Nowlan. 1967 [1968]. Lat 44° to 45°30', long 66°45' to 69°. Scale 1:250,000. 31½ by 37 inches. 50¢.
- MF-302. Geologic map of the Myrtle Point area, Coos County, Oreg., by E. M. Baldwin. 1969. Lat 43° to 43°07'30", long 124°07'30" to 124°22'30". Scale 1:48,000. 22 by 27 inches. 50¢.

RESOURCE MAPS

[The following mineral investigations resource maps, which are listed in "Publications of the Geological Survey, 1879-1961" as being in print, are now out of print: 8 and 9]

- MR-13. Copper in the United States, exclusive of Alaska and Hawaii, by A. R. Kinkel, Jr., and N. P. Peterson. 1962. Scale 1:3,168,000. 40½ by 64½ inches. 75¢.

- MR-14. Borates in the United States, exclusive of Alaska and Hawaii, by W. C. Smith. 1962. Scale 1:3,168,000. 40½ by 64½ inches. 75¢.
- MR-15. Lead in the United States, exclusive of Alaska and Hawaii, by E. T. McKnight, W. L. Newman, and A. V. Heyl, 1962. Scale 1:3,168,000. 40½ by 64 inches. 75¢.
- MR-16. Vanadium in the United States, exclusive of Alaska and Hawaii, by R. P. Fischer. 1962. Scale 1:3,168,000. 75¢.
- MR-17. Asbestos in the United States, exclusive of Alaska and Hawaii, by A. H. Chidester and A. F. Shride. 1962. Scale 1:3,168,000. 40½ by 64 inches. 75¢.
- MR-18. Pyrophyllite, and kyanite and related minerals in the United States, exclusive of Alaska and Hawaii, by G. H. Espenshade. 1962. Scale 1:3,168,000. 40½ by 64 inches. 75¢.
- MR-19. Zinc in the United States, exclusive of Alaska and Hawaii, by E. T. McKnight, W. L. Newman, and A. V. Heyl. 1962. Scale 1:3,168,000. 40½ by 64 inches. 75¢.
- MR-20. Antimony in the United States, exclusive of Alaska and Hawaii, by D. E. White. 1962. Scale 1:3,168,000. 40½ by 64 inches. 75¢.
- MR-21. Epigenetic uranium deposits in the United States, exclusive of Alaska and Hawaii, by A. P. Butler, Jr., W. I. Finch, and W. S. Twenhofel. 1962. Scale 1:3,168,000. 40½ by 64 inches. 75¢.
- MR-22. Bismuth in the United States, exclusive of Alaska and Hawaii, by J. R. Cooper. 1962. Scale 1:3,168,000. 40½ by 64 inches. 75¢.
- MR-23. Manganese in the United States, exclusive of Alaska and Hawaii, by M. D. Crittenden and Louis Pavlides. 1962. Scale 1:3,168,000. 40½ by 64 inches. 75¢.
- MR-24. Gold in the United States, exclusive of Alaska and Hawaii, by A. H. Koschmann and M. H. Bergendahl. 1962. Scale 1:3,168,000. 40½ by 64 inches. 75¢.
- MR-25. Tungsten in the United States, exclusive of Alaska and Hawaii, by D. M. Lemmon and O. L. Tweto. 1962. Scale 1:3,168,000. 40½ by 64 inches. 75¢.
- MR-26. Chromite in the United States, exclusive of Alaska and Hawaii, by T. P. Thayer and M. H. Miller. 1962. Scale 1:3,168,000. 40½ by 64 inches. 75¢.
- MR-27. Magnesite and brucite in the United States, exclusive of Alaska and Hawaii, by Benjamin Gildersleeve. 1962. Scale 1:3,168,000. 40½ by 64 inches. 75¢.
- MR-28. Thorium and rare earths in the United States, exclusive of Alaska and Hawaii, by J. C. Olson and J. W. Adams. 1962. Scale 1:3,168,000. 40½ by 64 inches. 75¢.
- MR-29. Titanium in the United States, exclusive of Alaska and Hawaii, by C. L. Rogers and M. C. Jaster. 1962. Scale 1:3,168,000. 40½ by 64 inches. 75¢.
- MR-30. Mercury in the United States, exclusive of Alaska and Hawaii, by E. H. Bailey. 1962. Scale 1:3,168,000. 40½ by 64 inches. 75¢.
- MR-31. Talc and soapstone in the United States, exclusive of Alaska and Hawaii, by A. H. Chidester and H. W. Worthington. 1962. Scale 1:3,168,000. 40½ by 64 inches. 75¢.
- MR-32. Lode gold and silver occurrences in Alaska, by E. H. Cobb. 1962. Scale 1:2,500,000. 40 by 57 inches. 75¢.

- MR-33. Gypsum and anhydrite in the United States, exclusive of Alaska and Hawaii, by C. F. Withington. 1962. Scale 1:3,168,000. 40½ by 64 inches. 75¢.
- *MR-34. Silver in the United States, exclusive of Alaska and Hawaii, by E. T. McKnight, W. L. Newman, Harry Klemic, and A. V. Heyl. 1962. Scale 1:3,168,000. 40½ by 64 inches.
- MR-35. Beryllium in the United States, exclusive of Alaska and Hawaii, by W. R. Griffiths, D. M. Larrabee, and J. J. Norton. 1962. Scale 1:3,168,000. 40½ by 64 inches. 75¢.
- MR-36. Niobium and tantalum in the United States, exclusive of Alaska and Hawaii, by R. L. Parker. 1963. Scale 1:3,168,000. 41 by 64 inches. 75¢.
- MR-37. High-alumina kaolinitic clay in the United States, exclusive of Alaska and Hawaii, by Helen Mark. 1963. Scale 1:3,168,000. 41 by 64 inches. 75¢.
- MR-38. Placer gold occurrences in Alaska, by E. H. Cobb. 1964. Scale 1:2,500,000. 38 by 46½ inches. 50¢.
- MR-39. Oxidized zinc districts in California and Nevada, by A. V. Heyl and C. N. Bozion. 1964. Sheet 1, lat 34° to 38°, long 114° to 120°; 29 by 33 inches. Sheet 2, lat 38° to 42°, long 114° to 120°; 29 by 30 inches. Scale 1:750,000. Accompanied by 6-page text. 75¢ per set.
- MR-40. Iron occurrences in Alaska, compiled by E. H. Cobb. Lat 54° to 68°, long 130° to 170°. Scale 1:250,000. 38 by 49 inches. 75¢.
- MR-41. Industrial minerals and construction materials occurrences in Alaska, by E. H. Cobb. 1964. Scale 1:2,500,000. 37½ by 49 inches. 75¢.
- MR-42. Reported occurrences of selected minerals in Wyoming, compiled by the Branch of Mineral Classification, Conservation Division. 1964. Scale 1:500,000. 41 by 53 inches. 50¢.
- MR-43. Barite in the United States, exclusive of Alaska and Hawaii, by D. A. Brobst. 1965. Scale 1:3,168,000. 41 by 64 inches. Accompanied by 10-page text. 75¢.
- MR-44. Tin in the United States, exclusive of Alaska and Hawaii, by P. L. Killeen and W. L. Newman. 1965. Scale 1:3,168,000. 41 by 64 inches. Accompanied by 9-page text. 75¢.
- MR-45. Reported occurrences of selected minerals in New Mexico (includes most metals and nonmetals; does not include mineral fuels, most sodium and potassium salts, phosphate, or sulfur), compiled by L. B. Haigler and H. L. Sutherland. 1965. Scale 1:500,000. Two sheets; north half, 33 by 46 inches; south half, 31 by 47 inches. 75¢ per set.
- MR-46. Reported occurrences of selected minerals in Arizona (includes most metals and nonmetals; does not include mineral fuels, most sodium and potassium salts, or phosphate), compiled by T. F. Stipp, L. B. Haigler, B. R. Alto, and H. L. Sutherland. 1967. Scale 1:500,000. Two sheets: north half, 32 by 43 inches; south half, 29 by 51 inches. 75¢ per set.
- MR-47. Reported occurrences of selected minerals in the northern third of California, compiled by M. B. Smith, V. L. Engler, D. I. Lee, and R. G. Wayland. 1967. Scale 1:500,000. 34 by 35 inches. Accompanied by 3-page text. 75¢.
- MR-50. Reported occurrences of selected minerals in Montana, compiled by C. B. Bentley and G. D. Mowat. 1967. Scale 1:500,000. Two sheets: east half, 41 by 46 inches; west half, 39 by 46 inches. 75¢ per set.
- MR-51. Iron in the United States, exclusive of Alaska and Hawaii, by M. S. Carr, P. W. Guild, and W. B. Wright. 1967. Scale 1:3,168,000. 40 by 63½ inches. Accompanied by 20-page text. 75¢.

- MR-52. Antimony occurrences in Alaska, compiled by E. H. Cobb. 1970. Lat about 54° to 68°, long about 130° to about 170°. Scale 1:2,500,000. 37 by 49 inches. Accompanied by 4-page text. 50¢.
- MR-53. Bismuth occurrences in Alaska, compiled by E. H. Cobb. 1970. Lat 54° to 68°, long 130° to 170°. Scale 1:2,500,000. 36½ by 49 inches. Accompanied by 2-page text. 50¢.
- MR-54. Mercury occurrences in Alaska, compiled by E. H. Cobb. 1970. Lat about 54° to 68°, long about 130° to about 170°. Scale 1:2,500,000. 37 by 49 inches. Accompanied by 2-page text. 50¢.
- MR-55. Molybdenum in the United States, exclusive of Alaska and Hawaii, by R. U. King. 1970. Scale 1:3,168,000. 40½ by 64 inches. Accompanied by 21-page text. 75¢.
- MR-56. Uranium, thorium, and rare-earth elements in Alaska, compiled by E. H. Cobb. 1970. Lat 54° to 68°, long 130° to 170°. Scale 1:2,500,000. 37 by 49 inches. Accompanied by 3-page text. 75¢.

SPECIAL GEOLOGIC MAPS

- Antarctic map 1. Reconnaissance geologic map of the Mount Rabot quadrangle, Transantarctic Mountains, Antarctica, by P. J. Barrett, J. F. Lindsay, and John Gunner. 1970. Lat 83° to 84° S., long 154° to 165° E. Scale 1:250,000. Structure-contour interval 500 meters. 30 by 34 inches. \$1.
- Geologic map of Arizona, by E. D. Wilson and R. T. Moore, Arizona Bureau of Mines, and J. R. Cooper, U.S. Geological Survey. 1969. Scale 1:500,000. 48 by 70 inches. \$2.50.
- Geologic map of New Mexico, by C. H. Dane and G. O. Bachman. Prepared with the cooperation of the New Mexico Institute of Mining and Technology, State Bureau of Mines and Minerals Resources Division, and the University of New Mexico, Department of Geology. 1965. Scale 1:500,000. Sheet 1, geologic map; 49 by 63 inches. Sheet 2, explanation; 30 by 63 inches. \$2.50 per set.

HYDROLOGIC INVESTIGATIONS ATLASES

- HA-13. Reconnaissance of ground-water resources of the Jackson Purchase region, Kentucky, by L. M. MacCary and T. W. Lambert. 1962. 9 p., 38 fig., including geologic and water availability maps at a scale of 1:250,000. \$1.50.
- HA-26. Availability of ground water in Butler and Ohio Counties, Ky., by B. W. Maxwell and R. W. Devaul. 1962. Two maps, scale 1:125,000, and generalized columnar section. Sheet 1, 22½ by 30½ inches; sheet 2, 23 by 30 inches; and sheet 3, 20 by 21 inches. \$1.25 per set.
- HA-27. Availability of ground water in Daviess and Hancock Counties, Ky., by R. W. Devaul and B. W. Maxwell. 1962. Two maps, scale 1:125,000, and generalized columnar section. Sheet 1, 21 by 27 inches; sheet 2, 30 by 27 inches; and sheet 3, 20 by 24 inches. \$1.25 per set.
- HA-28. Availability of ground water in Union and Henderson Counties, Ky., by B. W. Maxwell and R. W. Devaul. 1962. Two maps, scale 1:125,000, and generalized columnar section. Sheets 1 and 2, 22 by 27 inches; sheet 3, 20 by 27 inches. \$1.25 per set.
- HA-29. Availability of ground water in McLean and Muhlenberg Counties, Ky., by R. W. Devaul and B. W. Maxwell. 1962. Two maps, scale 1:125,000, and generalized columnar section. Sheet 1, 20 by 28 inches; sheet 2, 20 by 27 inches; and sheet 3, 20½ by 25 inches. \$1.25 per set.
- HA-30. Availability of ground water in Hopkins and Webster Counties, Ky., by B. W. Maxwell and R. W. Devaul. 1962. Two maps, scale 1:250,000, and generalized columnar section. Sheet 1, 23½ by 24 inches; sheet 2, 21 by 24 inches; and sheet 3, 20 by 27 inches. \$1.25 per set.
- HA-31. Reconnaissance of ground water in the western part of the Mojave Desert region, California, by Fred Kunkel. 1962. Scale 1:316,800. 32½ by 46 inches. 75¢.
- HA-32. Availability of ground water in Allen, Barren, Edmonson, Green, Hart, Logan, Metcalfe, Monroe, Simpson, and Warren Counties, Ky., by R. F. Brown and T. W. Lambert. 1962. Two maps, scale 1:250,000, and generalized columnar section. Sheet 1, 20 by 26½ inches; sheet 2, 20½ by 38 inches; and sheet 3, 21 by 27½ inches. \$1.25 per set.
- HA-33. Availability of ground water in Breckinridge, Grayson, Hardin, Larue, and Mead Counties, Ky., by R. F. Brown and T. W. Lambert. 1963. Two maps, scale 1:250,000, and generalized columnar section. Sheet 1, 21 by 21 inches; sheet 2, 21 by 31 inches; and sheet 3, 22 by 23 inches. \$1.25 per set.
- HA-34. Availability of ground water in Caldwell, Christian, Crittenden, Livingston, Lyon, Todd, and Trigg Counties, Ky., by T. W. Lambert and R. F. Brown. 1963. Two maps, scale 1:250,000, and generalized columnar section. Sheet 1, 22 by 25 inches; sheet 2, 22 by 36 inches; and sheet 3, 22 by 28 inches. \$1.25 per set.
- HA-35. Availability of ground water in Adair, Casey, Clinton, Cumberland, Pulaski, Russell, Taylor, and Wayne Counties, Ky., by T. W. Lambert and R. F. Brown. 1963. Two maps, scale 1:250,000, and generalized

- columnar section. Sheet 1, 22 by 23 inches; sheet 2, 23 by 32 inches; and sheet 3, 22 by 28 inches. \$1 per set.
- HA-36. Availability of ground water in Breathitt, Floyd, Harlan, Knott, Letcher, Martin, Magoffin, Perry, and Pike Counties, Ky., by W. E. Price, Jr., Chabot Kilburn, and D. S. Mull. 1962. Scale 1:250,000. Sheets 1 and 2, 28 by 35 inches; sheet 3, 25 by 28 inches. \$1.25 per set.
- HA-37. Availability of ground water in Boyd, Carter, Elliott, Greenup, Johnson, Lawrence, Lee, Menifee, Morgan, and Wolfe Counties, Ky., by W. E. Price, Jr., Chabot Kilburn, and D. S. Mull. 1962. Two maps, scale 1:250,000, and generalized columnar section. Sheet 1, 22½ by 27 inches; sheet 2, 28 by 37 inches; and sheet 3, 21½ by 27 inches. \$1.25 per set.
- HA-38. Availability of ground water in Bell, Clay, Jackson, Knox, Laurel, Leslie, McCreary, Owsley, Rockcastle, and Whitley Counties, Ky., by Chabot Kilburn, W. E. Price, Jr., and D. S. Mull. 1962. Two maps, scale 1:125,000, and generalized columnar section. Sheet 1, 22½ by 27 inches; sheet 2, 24 by 45 inches; and sheet 3, 20 by 28 inches. \$1.25 per set.
- HA-40. Floods at Mount Vernon, Ohio, by G. W. Edelen, Jr., F. H. Ruggles, Jr., and W. P. Cross. 1961. Lat 40°21'30" to 40°25'30", long 82°27' to 82°31'. Scale 1:12,000. Contour intervals 10 and 20 feet. 32 by 33½ inches. 75¢. (Revised 1964.)
- HA-41. Floods at Boulder, Colo. 1961 [1962]. Scale 1:6,000. Contour interval 5 feet. 29 by 46 inches. 50¢.
- HA-44. Floods at Newark, Ohio, by G. W. Edelen, Jr., F. H. Ruggles, Jr., and W. P. Cross. 1959. Lat 40° to 40°05'30", long 82°19'30" to 82°30'. Scale 1:24,000. Contour intervals 10 and 20 feet. 25½ by 42½ inches. 75¢. (Revised 1964.)
- HA-45. Floods at Chillicothe, Ohio, by G. W. Edelen, Jr., F. H. Ruggles, Jr., and W. P. Cross. 1964. Lat about 39°20', long about 82°57'30". Scale 1:24,000. Contour intervals 10 and 20 feet. 28 by 32 inches. 75¢.
- HA-46. Floods at Zanesville, Ohio, by G. W. Edelen, Jr., F. H. Ruggles, Jr., and W. P. Cross. 1964. Lat 39°55'30" to 39°59'30", long 82° to 82°04'. Scale 1:12,000. Contour interval 20 feet. 32 by 35 inches. 75¢.
- HA-47. Floods at Fremont, Ohio. 1962. Lat 41°15' to 41°22'30", long 83°03' to 83°11'. Scale 1:24,000. Contour interval 5 feet. 30 by 31 inches. 75¢.
- HA-48. Floods at Circleville, Ohio, by G. W. Edelen, Jr., F. H. Ruggles, Jr., and W. P. Cross. 1964. Lat 39°34'55" to 39°38'10", long 82°55' to 83°30'. Scale 1:12,000. Contour intervals 5 and 10 feet. 29 by 44 inches. 75¢.
- HA-49. Floods at Barberton, Ohio. 1962. Lat 41° to 41°07'30", long 81°30' to 81°37'30". Scale 1:24,000. Contour interval 10 feet. 30 by 31 inches. 75¢.
- HA-50. Floods at Canton, Ohio. 1962. Lat 40°45' to 40°52'30", long 81°15' to 81°22'30". Scale 1:24,000. Contour interval 10 feet. 30½ by 32 inches. 75¢.
- HA-51. Floods at Warren, Ohio, by G. W. Edelen, Jr., F. H. Ruggles, Jr., and W. P. Cross. 1963. Lat 41°10'53" to 41°17', long 80°45' to 80°53'20". Scale 1:24,000. Contour interval 10 feet. 29 by 33 inches. 75¢.
- HA-52. Floods at Columbus, Ohio. 1962. Lat 39°52'30" to 40°07'30", long 82°54'30" to 83°07'30". Scale 1:31,680. Contour interval 10 feet. 40½ by 41 inches. 75¢.
- HA-53. Floods at Des Moines, Iowa, by R. E. Myers. 1963. Lat 41°31'45" to 41°37'30", long 93°30' to 93°45'. Scale 1:24,000. Contour interval 10 feet. 37 by 48 inches. 75¢.
- HA-54. Floods at Fremont, Calif. 1962. Lat 37°30' to 37°37'30", long

- 121°57'30" to 122°10'. Scale 1:24,000. Contour intervals 5, 20, and 40 feet. 33 by 44 inches. 75¢.
- HA-55. Summary of occurrence of ground water on the Papago Indian Reservation, Ariz., by L. A. Heindl, O. J. Cosner, H. G. Page, C. A. Armstrong, and L. R. Kister. 1962. Scale 1:250,000. 30 by 40 inches. 50¢.
- HA-56. Floods on Crab Creek at Youngstown, Ohio, by G. W. Edelen, Jr., W. P. Cross, and W. P. Somers. 1963. Lat 41°05'42" to 41°07'48", long 80°37'59" to 80°38'29". Scale 1:2,400. Contour interval 2 feet. 31 by 37½ inches. 75¢.
- HA-57. Floods at Harrisburg, Pa. 1962. Lat 40°10' to 40°20'40", long 76°45' to 77°. Scale 1:31,680. Contour interval 20 feet. 31 by 40 inches. 75¢.
- HA-58. Emergency water supplies in the Wichita area, Kansas, by C. W. Lane, E. L. Reavis, and G. J. Stramel. 1962. Scale 1:250,000. 32 by 42 inches. 50¢.
- HA-59. Floods at Mount Clemens, Mich., by S. W. Wiitala and A. D. Ash. 1962 [1963]. Scale 1:18,000. Contour interval 5 feet. 31 by 36 inches. 75¢.
- HA-60. Water-table, surface-drainage, and engineering soils map of the St. Georges area, Delaware, by J. K. Adams and D. H. Boggess. 1963. Lat 39°30' to 39°37'30", long 75°34'30" to 75°47'30". Scale 1:24,000. Contour interval 10 and 20 feet. 30 by 58 inches. \$1.
- HA-61. Stream composition of the conterminous United States, by F. H. Rainwater. 1962. Sheet 1, 23 by 40 inches; sheets 2 and 3, 23 by 30 inches. \$1.50 per set.
- HA-62. Ground-water conditions in northern Lea County, N. Mex., by S. R. Ash. 1963. Sheet 1, 28 by 42 inches; sheet 2, 25 by 53 inches. \$1 per set.
- HA-63. Floods at Wichita, Kans., by D. W. Ellis and others. 1963. Lat 37°30' to 37°52'30", long 97°07'30" to 97°30'. Scale 1:24,000. Contour interval varied. Sheet 1, 22 by 30 inches; sheet 2, 22 by 46 inches; sheet 3, 29 by 40 inches; sheet 4, 28 by 40 inches; and sheet 5, 29 by 40 inches. \$2.50 per set.
- HA-64. Water-table, surface-drainage, and engineering soils map of the Newark area, Delaware, by D. H. Boggess and J. K. Adams. 1963. Lat 39°37'30" to 39°45', long 75°37'30" to 75°47'30". Scale 1:24,000. Contour intervals 10 and 20 feet. 32 by 50 inches. \$1.
- HA-65. Tidal floods, Atlantic City and vicinity, New Jersey, by D. M. Thomas and G. W. Edelen, Jr. 1962. Scale 1:12,000. Contour interval 2 feet. 31½ by 46 inches. 50¢.
- HA-66. Floods at Tampa, Fla., by R. W. Pride. 1962 [1963]. Sheet 1, lat 27°56' to 28°, long 82°26'07" to 82°30'; sheet 2, lat 28° to 28°02'30", long 82°22'30" to 82°30'. Scale 1:12,000. Contour interval 5 feet. Sheet 1, 33 by 33 inches; sheet 2, 22 by 45 inches. \$1.25 per set.
- HA-67. Floods in Arlington Heights quadrangle, Illinois, by D. W. Ellis, H. E. Allen, and A. W. Noehre. 1963. Lat 42° to 42°07'30", long 87°52'30" to 88°. Scale 1:24,000. Contour interval 5 feet. 44 by 30 inches. 75¢.
- HA-68. Floods in Elmhurst quadrangle, Illinois, by D. W. Ellis, H. E. Allen, and A. W. Noehre. 1963. Lat 41°52'30" to 42°, long 87°52'30" to 88°. Scale 1:24,000. Contour interval 5 feet. 32 by 46 inches. 75¢.
- HA-69. Floods in Highland Park quadrangle, Illinois, by D. W. Ellis, H. E. Allen, and A. W. Noehre. 1963. Lat 42°07'30" to 42°15', long 87°44' to 87°52'30". Scale 1:24,000. Contour interval 5 feet. 32 by 42 inches. 75¢.
- HA-70. Floods in Aurora North quadrangle, Illinois, by D. W. Ellis, H. E.

- Allen, and A. W. Noehre. 1963. Lat 41°45' to 41°52'30", long 88°15' to 88°22'30". Scale 1:24,000. Contour interval 10 feet. 31 by 41 inches. 75¢.
- HA-71. Floods in Wheeling quadrangle, Illinois, by D. W. Ellis, H. E. Allen, and A. W. Noehre. 1963. Lat 42°07'30" to 42°15', long 87°52'30" to 88°. Scale 1:24,000. Contour interval 5 feet. 29 by 43 inches. 75¢.
- HA-72. Geology and hydrology of alluvial deposits along the Ohio River in the Hawesville and Cloverport areas, Kentucky, by J. T. Gallaher. 1963. Scale 1:24,000. Contour interval 10 feet. 27½ by 29 inches. 75¢.
- HA-73. Geology and hydrology of alluvial deposits along the Ohio River between South Portsmouth and the Manchester Islands, Ky., by W. E. Price, Jr. 1963. Scale 1:24,000. Contour interval 20 feet. 29 by 31 inches. 75¢.
- HA-74. Geology and hydrology of alluvial deposits along the Ohio River in the Lewisport and Owensboro areas, Kentucky, by J. T. Gallaher. 1963 [1964]. Scale 1:24,000. Bedrock-contour interval 10 feet. Sheet 1, 29 by 29 inches; sheet 2, 24 by 29 inches. \$1 per set.
- HA-75. Geology and hydrology of alluvial deposits along the Ohio River between Catlettsburg and South Portsmouth, Ky., by W. E. Price, Jr. 1964. Sheet 1, map showing geology and hydrology; scale 1:24,000; bedrock-contour interval 5 feet; 29 by 32 inches. Sheet 2, sections and fence diagrams. 24½ by 28 inches. \$1 per set.
- HA-76. Geologic map of the surficial deposits of part of southwestern Maine and their water-bearing characteristics, by G. C. Prescott. 1963. Lat 40° to 43°45', long 70°15' to 71°. Scale 1:62,500. Contour interval 20 feet. 40 by 54 inches. 75¢.
- HA-77. Floods at Bayamon and Cataño, P.R., by M. A. Lopez. 1962 [1963]. Lat 18°22'30" to 18°29', long 66°06'15" to 66°11'15". Scale 1:20,000. Contour interval 5 meters. 31 by 40 inches. 75¢.
- HA-78. Floods near Fortuna, Calif., by L. E. Young. 1963. Lat 40°30' to 40°42'30", long 124°07'30" to about 124°22'30". Scale 1:24,000. Contour intervals 10 and 40 feet. 31 by 46 inches. 75¢.
- HA-79. Water-table, surface-drainage, and engineering soils map of the Wilmington area, Delaware, by J. K. Adams and D. H. Boggess. 1964. Lat 39°37'30" to 39°45', long 75°30' to 75°37'30". Scale 1:24,000. Water-table contour interval 10 feet. 28 by 41 inches. 75¢.
- HA-80. Water-table, surface-drainage, and engineering soils map of the Taylors Bridge area, Delaware, by J. K. Adams and D. H. Boggess. 1964. Lat 39°22'30" to 39°30', long 75°30' to 75°37'30". Scale 1:24,000. Water-table contour interval 10 feet. 28½ by 36 inches. 75¢.
- HA-81. Water-table, surface-drainage, and engineering soils map of the Smyrna area, Delaware, by D. H. Boggess, J. K. Adams, and C. F. Davis. 1964. Lat 39°15' to 39°22'30", long 75°22'30" to 75°37'30". Scale 1:24,000. Water-table contour interval 10 feet. 30 by 48 inches. 75¢.
- HA-82. Water-table, surface-drainage, and engineering soils map of the Middletown area, Delaware, by D. H. Boggess and J. K. Adams. 1964. Lat 39°22'30" to 39°30', long 75°37'30" to 75°46'30". Scale 1:24,000. Water-table contour interval 10 feet. 29 by 46 inches. 75¢.
- HA-83. Water-table, surface-drainage, and engineering soils map of Clayton area, Delaware, by J. K. Adams, D. H. Boggess, and O. J. Coskery. 1964. Lat 39°15' to 39°22'30", long 75°37'30" to 75°45'. Scale 1:24,000. Water-table contour interval 10 feet. 30 by 46 inches. 75¢.
- HA-84. Water-table, surface-drainage, and engineering soils map of the Sharptown area, Delaware, by J. K. Adams and D. H. Boggess. 1964. Lat

- about 38°27'30" to 38°37', long 75°37'30" to 75°62'30". Scale 1:24,000. Water-table contour interval 10 feet. 35 by 39 inches. 75¢.
- HA-85. Floods in Park Ridge quadrangle, Illinois, by D. W. Ellis, H. E. Allen, and A. W. Noehre. 1964. Lat 42° to 42°07'30", long 87°45' to 87°52'30". Scale 1:24,000. Contour interval 5 feet. 41 by 44 inches. 75¢.
- HA-86. Floods in Hinsdale quadrangle, Illinois, by D. W. Ellis, H. E. Allen, and A. W. Noehre. 1964. Lat 41°45' to 41°52'30", long 87°52'30" to 88°. Scale 1:24,000. Contour interval 5 feet. 30½ by 48 inches. 75¢.
- HA-87. Floods in Palatine quadrangle, Illinois, by H. E. Allen, D. W. Ellis, and D. E. Long. 1964. Lat 42° to 42°07'30", long 88° to 88°07'30". Scale 1:24,000. Contour interval 10 feet. 30 by 43½ inches. 75¢.
- HA-88. Floods in Libertyville quadrangle, Illinois, by A. W. Noehre, D. W. Ellis, and D. E. Long. 1964. Lat 42°15' to 42°22'30", long 87°52'30" to 88°. Scale 1:24,000. Contour interval 10 feet. 29 by 48 inches. 75¢.
- HA-89. Floods in Joliet quadrangle, Illinois, by H. E. Allen and T. A. Wyerman. 1964. Lat 41°30' to 41°37'30", long 88° to 88°07'30". Scale 1:24,000. Contour interval 10 feet. 33 by 53 inches. 75¢.
- HA-90. Floods in Harvey quadrangle, Illinois, by H. E. Allen and V. J. May. 1964. 41°30' to 41°37'30", long 87°37'30" to 87°45'. Scale 1:24,000. Contour interval 5 feet. 32½ by 53 inches. 75¢.
- HA-91. Geology and hydrology of alluvial deposits along the Ohio River in the Henderson area, Kentucky, by J. T. Gallaher. 1964 [1965]. Lat about 38°50', long about 87°40'. Sheet 1, map showing geology and hydrology; scale 1:24,000; bedrock-contour interval 10 feet; Sheet 1, 28 by 31 inches. Sheet 2, sections and fence diagrams; 24½ by 29 inches. \$1 per set.
- HA-92. Availability of ground water in the Farmington quadrangle, Kentucky, by J. H. Morgan. Lat 36°37'30" to 36°45', long 88°30' to 88°37'30". Scale 1:24,000. Water-level contour interval 10 feet. 35 by 47½ inches. 50¢.
- HA-93. Availability of ground water in the Dexter quadrangle, Kentucky, by R. W. Davis. 1964. Lat 36°37'30" to 36°45', long 88°15' to 88°22'30". Scale 1:24,000. Water-level contour interval 10 feet. 34½ by 47½ inches. 75¢.
- HA-94. Geology and hydrology of alluvial deposits along the Ohio River between the Manchester Islands and Silver Grove, Ky., by W. E. Price, Jr. 1964. Sheet 1, map showing geology and hydrology; lat vicinity 38°45', long 84°; scale 1:24,000; bedrock-contour interval 10 feet; 27½ by 31½ inches. Sheet 2, section and fence diagrams; 22½ by 27 inches. \$1 per set.
- HA-95. Geology and hydrology of alluvial deposits along the Ohio River between the Wolf Creek and West Point areas, Kentucky, by J. T. Gallaher. 1964. Lat vicinity 38°, long vicinity 86°15'. Scale 1:24,000. Bedrock-contour interval 10 feet. 29 by 37 inches. 75¢.
- HA-96. Geology and hydrology of alluvial deposits along the Ohio River in the Spottsville and Reed areas, Kentucky, by J. T. Gallaher. 1963. Sheet 1, map showing geology and hydrology; lat vicinity 37°52'30", long vicinity 87°22'30"; bedrock-contour interval 10 feet; 27 by 28 inches. Sheet 2, section and fence diagrams; 24 by 26 inches. Scale 1:24,000. \$1 per set.
- HA-97. Geology and hydrology of alluvial deposits along the Ohio River between Ethridge and the Twelve-mile Island, Ky., by W. E. Price, Jr. 1964. Sheet 1, map showing geology and hydrology; lat vicinity of 38°34', long 85°18'; scale 1:24,000; bedrock-contour interval 10 feet; 28 by 31 inches. Sheet 2, sections and fence diagrams; 20 by 25 inches. \$1 per set.

- HA-98. Geology and hydrology of alluvial deposits along the Ohio River between Newport and Warsaw, Ky., by W. E. Price, Jr. 1964. Sheet 1, map showing geology and hydrology; lat vicinity of 38°55', long 84°45'; scale 1:24,000; bedrock-contour interval 20 feet; 28 by 31 inches. Sheet 2, sections and fence diagrams; 30 by 34 inches. \$1 per set.
- HA-99. Water-table, surface-drainage, and engineering soils map of the Greenwood quadrangle, Delaware, by D. H. Boggess and J. K. Adams. 1964. Lat 38°45' to 38°52'30", long 75°30" to 75°37'30". Scale 1:24,000. Water-table contour interval 10 feet. 31 by 38 inches. 75¢.
- HA-100. Water-table, surface-drainage, and engineering soils map of the Hickman area, Delaware, by J. K. Adams and D. H. Boggess. 1964. Lat 38°45' to 38°52'30", long 75°37'30" to 75°42'30". Scale 1:24,000. Water-table contour interval 10 feet. 31 by 34½ inches. 75¢.
- HA-101. Water-table, surface-drainage, and engineering soils map of the Ellendale quadrangle, Delaware, by J. K. Adams and D. H. Boggess. 1964. Lat 38°45' to 38°52'30", long 75°22'30" to 75°30'. Scale 1:24,000. Water-table contour interval 10 feet. 31 by 38 inches. 75¢.
- HA-102. Water-table, surface-drainage, and engineering soils map of the Milton quadrangle, Delaware, by D. H. Boggess, J. K. Adams, and O. J. Coskery. 1964. Lat 38°45' to 38°52'30", long 75°15' to 75°22'30". Scale 1:24,000. Water-table contour interval 10 feet. 31 by 38 inches. 75¢.
- HA-103. Water-table, surface-drainage, and engineering soils map of the Lewes area, Delaware, by J. K. Adams, D. H. Boggess, and C. F. Davis. 1964. Lat 38°45' to 38°52'30", long about 75°05' to 75°15'. Scale 1:24,000. Water-table contour interval 10 feet. 29 by 45 inches. 75¢.
- HA-104. Floods on Raritan and Millstone Rivers in Somerset County, N.J., by D. M. Thomas and R. H. Tice. 1964. Lat 40°22'30" to 40°35', long 74°30' to 74°42'30". Scale 1:24,000. Contour interval 20 feet. 32 by 49 inches. 75¢.
- HA-105. Water-table, surface-drainage, and engineering soils map of the Seaford West area, Delaware, by D. H. Boggess and J. K. Adams. 1964. Lat 38°37'30" to 38°45', long 75°37'30" to 75°42'30". Scale 1:24,000. Water-table contour interval 10 feet. 30½ by 34½ inches. 75¢.
- HA-106. Water-table, surface-drainage, and engineering soils map of the Seaford East quadrangle, Delaware, by J. K. Adams, D. H. Boggess, and O. J. Coskery. 1964. Lat 38°37'30" to 38°45', long 75°30' to 75°37'30". Scale 1:24,000. Water-table contour interval 10 feet. 29½ by 37½ inches. 75¢.
- HA-107. Water-table, surface-drainage, and engineering soils map of the Georgetown quadrangle, Delaware, by D. H. Boggess, J. K. Adams, and C. F. Davis. 1964. Lat 38°37'30" to 38°45', long 75°22'30" to 75°30'. Scale 1:24,000. Water-table contour interval 10 feet. 30 by 42½ inches. 75¢.
- HA-108. Water-table, surface-drainage, and engineering soils map of the Harbeson quadrangle, Delaware, by J. K. Adams and D. H. Boggess. 1964. Lat 38°37'30" to 38°45', long 75°15' to 75°22'30". Scale 1:24,000. Water-table contour interval 10 feet. 29 by 39 inches. 75¢.
- HA-109. Water-table, surface-drainage, and engineering soils map of the Rehoboth Beach area, Delaware, by D. H. Boggess, J. K. Adams, and C. F. Davis. 1964. Lat 38°37'30" to 38°45', long about 75°05' to 75°15'. Scale 1:24,000. Water-table contour interval 10 feet. 29 by 50 inches. 75¢.
- HA-110. Geology and hydrology of alluvial deposits along the Ohio River in the Stanley area, Kentucky, by J. T. Gallaher. 1964. Sheet 1, map showing

- geology and hydrology; lat vicinity 37°50', long 87°12'30"; scale 1:24,000; bedrock-contour interval 10 feet; 29 by 29½ inches. Sheet 2, sections and fence diagrams; 19 by 30 inches. \$1 per set.
- HA-111. Geology and hydrology of alluvial deposits along the Ohio River between southwestern Louisville and West Point, Ky., by W. E. Price, Jr. 1964. Sheet 1, map showing geology and hydrology; lat vicinity 38°10', long 85°50'; scale 1:24,000, bedrock-contour interval 10 feet; 29 by 29½ inches. Sheet 2, sections and fence diagrams; 25 by 35 inches. \$1 per set.
- HA-112. Availability of ground water in the Lynn Grove quadrangle, Kentucky-Tennessee, by R. W. Davis. 1964. Lat 36°30' to 36°37'30", long 88°22'30" to 88°30'. Scale 1:24,000. Water-level contour interval 10 feet. 32½ by 47 inches. 50¢.
- HA-113. Availability of ground water in the Kirksey quadrangle, Kentucky, by J. H. Morgan. 1964. Lat 36°37'30" to 36°45', long 88°22'30" to 88°30'. Scale 1:24,000. Water-level contour interval 10 feet. 35 by 47 inches. 50¢.
- HA-114. Availability of ground water in the Briensburg quadrangle, Kentucky, by L. M. MacCary. 1964 [1965]. Lat 36°52'30" to 37°, long 88°15' to 88°22'30". Scale 1:24,000. 33½ by 47½ inches. 50¢.
- HA-115. Availability of ground water in the Hardin quadrangle, Kentucky, by L. M. MacCary. 1964 [1965]. Lat 36°45' to 36°52'30", long 88°15' to 88°22'30". Scale 1:24,000. Water-level contour interval 10 feet. 34 by 47½ inches. 50¢.
- HA-116. Availability of ground water in the Oak Level quadrangle, Kentucky, by J. H. Morgan. 1964. Lat 36°45' to 36°52'30", long 88°22'30" to 88°30'. Scale 1:24,000. Water-level contour interval 10 feet. 34 by 48 inches. 50¢.
- HA-117. Availability of ground water in the Elva quadrangle, Kentucky, by J. H. Morgan. 1964 [1965]. Lat 36°52'30" to 37°, long 88°22'30" to 88°30'. Scale 1:24,000. Water-level contour interval 10 feet. 33½ by 48 inches. 50¢.
- HA-118. Availability of ground water in the New Concord quadrangle, Kentucky, by T. W. Lambert. 1964. Lat 36°30' to 36°37'30", long 88°07'30" to 88°15'. Scale 1:24,000. Water-level contour interval 10 feet. 33 by 48 inches. 50¢.
- HA-119. Water-table, surface-drainage, and engineering soils map of the Frankford area, Delaware, by J. K. Adams, D. H. Boggess, and O. J. Coskery. 1964 [1965]. Lat 38°27'30" to 38°37'30", long 75°07'30" to 75°15'. Scale 1:24,000. Water-table contour interval 10 feet. 38 by 41 inches. 75¢.
- HA-120. Water-table, surface-drainage, and engineering soils map of the Trap Pond area, Delaware, by J. K. Adams and D. H. Boggess. 1964. Lat about 38°27'26" to 38°37'30", long 75°22'30" to 75°30'. Scale 1:24,000. Water-table contour interval 10 feet. 38 by 41 inches. 75¢.
- HA-121. Water-table, surface-drainage, and engineering soils map of the Millsboro area, Delaware, by D. H. Boggess and J. K. Adams. 1965. Lat 38°27'10" to 38°37'30", long 75°15' to 75°22'30". Scale 1:24,000. Water-table contour interval 10 feet. 38 by 41 inches. 75¢.
- HA-122. Water-table, surface-drainage, and engineering soils map of the Bethany Beach area, Delaware, by D. H. Boggess and J. K. Adams. 1964 [1965]. Lat 38°27'30" to 38°37'30", long 75° to 75°07'30". Scale 1:24,000. Water-table contour interval 10 feet. 34 by 38½ inches. 75¢.
- HA-123. Water-table, surface-drainage, and engineering soils map of the Laurel area, Delaware, by D. H. Boggess and J. K. Adams. 1964 [1965].

- Lat 38°27'30" to 38°37'30", long 75°30' to 75°37'30". Scale 1:24,000. Water-table contour interval 10 feet. 40 by 41 inches. 75¢.
- HA-124. Availability of ground water in the Hazel quadrangle, Kentucky-Tennessee, by L. M. MacCary. 1964 [1965]. Lat 36°30' to 36°37'30", long 88°15' to 88°22'30". Scale 1:24,000. Water-level contour interval 10 feet. 34 by 47½ inches. 50¢.
- HA-125. Availability of ground water in the Lynnville quadrangle, Kentucky-Tennessee, by T. W. Lambert. 1965. Lat 36°30' to 36°37'30", long 88°30' to 88°37'30". Scale 1:24,000. Water-level contour interval 10 feet. 33½ by 47 inches. 50¢.
- HA-126. Flood of 1962 near Baton Rouge, La., by J. D. Camp. 1965. Lat 30°30' to 30°37'30", long 91°04' to 91°12'30". Scale 1:24,000. Contour interval 5 feet. 30 by 40 inches. 75¢.
- HA-127. Flood on Pearl River at Jackson, Miss., in 1961, by J. D. Shell. 1964. Lat about 32°15' to 32°25', long about 90°05' to 90°12'. Scale about 3 inches=1 mile. 41 by 43½ inches. 50¢.
- HA-128. Floods at Toa Alta, Toa Baja, and Dorado, P.R., by M. A. Lopez. 1964. Lat 18°22'30" to 18°29', long 66°11'15" to 66°17'30". Scale 1:20,000. Contour intervals 10 and 25 meters. 31½ by 39½ inches. 75¢.
- HA-129. Geology and hydrology of alluvial deposits along the Ohio River between the Uniontown area and Wickliffe, Ky., by J. T. Gallaher. 1964. Sheet 1, maps showing geology and hydrology; lat vicinity 37°30', long 88°15'; scales 1:24,000, 1:63,360, and 1:250,000; bedrock-contour interval 10 feet; 30 by 32 inches. Sheet 2, sections and fence diagrams; 16 by 20 inches. \$1 per set.
- HA-130. Geology and hydrology of alluvial deposits along the Ohio River between Prospect and southwestern Louisville, Ky., by W. E. Price, Jr. 1964. Sheet 1, map showing geology and hydrology; lat vicinity 38°15', long 85°45'; scale 1:24,000; bedrock-contour interval 10 feet; 31½ by 32 inches. Sheet 2, sections and fence diagrams; 24½ by 26½ inches. \$1 per set.
- HA-131. Availability of ground water in Hall County, Nebr., by C. F. Keech and V. H. Dreeszen. 1964. Lat vicinity of 40°45', long 98°30'. Scale 1:125,000. Water-table contour interval 10 feet. 41½ by 48 inches. 50¢.
- HA-132. Water-table, surface-drainage, and engineering soils map of the Marydel area, Delaware, by C. F. Davis and D. H. Boggess. 1964 [1965]. Lat 39° to 39°07'30", long 75°37'30" to 75°45'. Scale 1:24,000. Water-table contour interval 10 feet. 29 by 50½ inches. 75¢.
- HA-133. Water-table, surface-drainage, and engineering soils map of the Milford quadrangle, Delaware, by D. H. Boggess, C. F. Davis, and O. J. Coskery. 1964 [1965]. Lat 38°52'30" to 39°, long 75°22'30" to 75°30'. Scale 1:24,000. Water-table contour interval 10 feet. 29 by 51 inches. 75¢.
- HA-134. Water-table, surface-drainage, and engineering soils map of the Little Creek quadrangle, Delaware, by D. H. Boggess and J. K. Adams. 1965. Lat 39°07'30" to 39°15', long 75°22'30" to 75°30'. Scale 1:24,000. Water-table contour interval 10 feet. 30 by 41 inches. 75¢.
- HA-135. Water-table, surface-drainage, and engineering soils map of the Burrsville area, Delaware, by D. H. Boggess, C. F. Davis, and O. J. Coskery. 1965. Lat 38°52'30" to 39°, long 75°37'30" to 75°45'. Scale 1:24,000. Water-table contour interval 10 feet. 29 by 50 inches. 75¢.
- HA-136. Water-table, surface-drainage, and engineering soils map of the Harrington quadrangle, Delaware, by C. F. Davis and D. H. Boggess. 1964

- [1965]. Lat 38°52'30" to 39°, long 75°30' to 75°37'30". Scale 1:24,000. Water-table contour interval 10 feet. 29 by 30 inches. 75¢.
- HA-137. Water-table, surface-drainage, and engineering soils map of the Mispillion River quadrangle, Delaware, by C. F. Davis and D. H. Boggess. 1964. Lat 38°52'30" to 39°, long 75°15' to 75°22'30". Scale 1:24,000. Water-table contour interval 10 feet. 29 by 43 inches. 75¢.
- HA-138. Water-table, surface-drainage, and engineering soils map of the Kenton area, Delaware, by D. H. Boggess and J. K. Adams. 1965. Lat 39°07'30" to 39°15', long 75°37'30" to 75°45'. Scale 1:24,000. Water-table contour interval 10 feet. 30 by 44 inches. 75¢.
- HA-139. Water-table, surface-drainage, and engineering soils map of the Dover quadrangle, Delaware, by J. K. Adams, D. H. Boggess, and C. F. Davis. 1964 [1965]. Lat 39°07'30" to 39°15', long 75°30' to 75°37'30". Scale 1:24,000. Water-table contour interval 10 feet. 30 by 37 inches. 75¢.
- HA-140. Water-table, surface-drainage, and engineering soils map of the Frederica area, Delaware, by C. F. Davis, D. H. Boggess, and O. J. Coskery. 1965. Lat 39° to 39°07'30", long 75°20' to 75°30". Scale 1:24,000. Water-table contour interval 10 feet. 30 by 57 inches. 75¢.
- HA-141. Water-table, surface-drainage, and engineering soils map of the Wyoming quadrangle, Delaware, by D. H. Boggess, C. F. Davis, and O. J. Coskery. 1965. Lat 39° to 39°07'30", long 75°30' to 75°37'30". Scale 1:24,000. Water-table contour interval 10 feet. 30 by 50 inches. 75¢.
- HA-142. Floods in Geneva quadrangle, Illinois, by A. W. Noehre and G. L. Walter. 1965. Lat 41°52'30" to 42°, long 88°15' to 88°22'30". Scale 1:24,000. Contour interval 10 feet. 32 by 43 inches. 75¢.
- HA-143. Floods in Lombard quadrangle, Illinois, by H. E. Allen and V. J. May. 1964. Lat 41°52'30" to 42°, long 88° to 88°07'30". Scale 1:24,000. Contour interval 10 feet. 30½ by 44 inches. 75¢.
- HA-144. Floods in Wadsworth quadrangle, Illinois-Wisconsin, by A. W. Noehre. 1964 [1965]. Lat 42°22'30" to 42°30', long 87°52'30" to 88°. Scale 1:24,000. Contour interval 10 feet. 31 by 44 inches. 75¢.
- HA-145. Floods in Palos Park quadrangle, northeastern Illinois, by A. W. Noehre and R. T. Mycyk. 1966. Lat 41°37'30" to 41°45', long 87°45' to 87°52'30". Scale 1:24,000. Contour interval 5 feet. 33 by 40 inches. 75¢.
- HA-146. Floods in Romeoville quadrangle, Illinois, by A. W. Noehre and G. L. Walter. 1965. Lat 41°37'30" to 41°45', long 88° to 88°07'30". Scale 1:24,000. Contour interval 10 feet. 30½ by 48 inches. 75¢.
- HA-147. Floods in Elgin quadrangle, Illinois, by V. J. May and H. E. Allen. 1965. Lat 42° to 42°07'30", long 88°15' to 88°22'30". Scale 1:24,000. Contour interval 10 feet. 31 by 48½ inches. 75¢.
- HA-148. Floods in Wheaton quadrangle, northeastern Illinois, by V. J. May and H. E. Allen. 1965. Lat 41°45' to 41°52'30", long 88° to 88°07'30". Scale 1:24,000. Contour interval 10 feet. 30½ by 48 inches. 75¢.
- HA-149. Floods in Sag Bridge quadrangle, northeastern Illinois, by A. W. Noehre and G. L. Walter. 1966. Lat 41°37'30" to 41°45', long 87°52'30" to 88°. Scale 1:24,000. Contour interval 5 feet. 33 by 44 inches. 75¢.
- HA-150. Floods in Barrington quadrangle, northeastern Illinois, by A. W. Noehre, G. L. Walter, and H. E. Allen. 1965. Lat 42°07'30" to 42°15', long 88°07'30" to 88°15'. Scale 1:24,000. Contour interval 10 feet. 31½ by 44 inches. 75¢.
- HA-151. Floods in Fox Lake quadrangle, northeastern Illinois, by A. W.

- Noehre, V. J. May, and G. L. Walter. 1965. Lat 42°22'30" to 42°30', long 88°07'30" to 88°15'. Scale 1:24,000. Contour interval 10 feet. 32 by 40 inches. 75¢.
- HA-152. Floods in Tinley Park quadrangle, northeastern Illinois, by H. E. Allen. 1965 [1966]. Lat 41°30' to 41°37'30", long 87°45' to 87°52'30". Scale 1:24,000. Contour interval 5 feet. 33 by 44 inches. 75¢.
- HA-153. Floods in Blue Island quadrangle, northeastern Illinois, by H. E. Allen. 1966. Lat 41°37'30" to 41°45', long 87°37'30" to 87°45'. Scale 1:24,000. Contour interval 5 feet. 31 by 44 inches. 75¢.
- HA-154. Floods in Naperville quadrangle, Illinois, by H. E. Allen and V. J. May. 1965. Lat 41°45' to 41°52'30", long 88°07'30" to 88°15'. Scale 1:24,000. Contour interval 10 feet. 30½ by 44 inches. 75¢.
- HA-155. Availability of ground water in the parts of the Little C press and Calvert City quadrangles in the Jackson Purchase region, Kentucky, by J. H. Morgan. 1965. Lat 37° to about 37°04'45", long 88°15' to 88°30'. Scale 1:24,000. Water-level contour interval 10 feet. 40 by 44 inches. 50¢.
- HA-156. Availability of ground water in the Fairdealing quadrangle, Kentucky, by T. W. Lambert. 1965. Lat 36°45' to 36°52'30", long 88°07'30" to 88°15'. Scale 1:24,000. Water-level contour interval 10 feet. 35 by 48 inches. 50¢.
- HA-157. Availability of ground water in the Symsonia quadrangle, Kentucky, by R. W. Davis. 1965. Lat 36°52'30" to 37°, long 88°30' to 88°37'30". Scale 1:24,000. Water-level contour interval 10 feet. 39 by 48 inches. 50¢.
- HA-158. Availability of ground water in the Hico quadrangle, Kentucky, by J. H. Morgan. 1965. Lat 36°37'30" to 36°45', long 88°07'30" to 88°15'. Scale 1:24,000. Water-level contour interval 10 feet. 34 by 48 inches. 50¢.
- HA-159. Availability of ground water in the Birmingham Point quadrangle, Kentucky, by L. M. MacCary. 1965. Lat 36°52'30" to 37°, long 88°07'30" to 88°15'. Scale 1:24,000. 35½ by 48 inches. 50¢.
- HA-160. Availability of ground water in the Kentucky part of the Rushing Creek quadrangle, Kentucky-Tennessee, by T. W. Lambert. 1965. Lat 36°37'30" to 36°45', long 88° to 88°07'30". Scale 1:24,000. 35 by 47½ inches. 50¢.
- HA-161. Availability of ground water in the Cuba quadrangle, Kentucky-Tennessee, by J. H. Morgan. 1965. Lat 36°30' to 36°37'30", long 88°37'30" to 88°45'. Scale 1:24,000. Water-level contour interval 10 feet. 35 by 47½ inches. 50¢.
- HA-162. Availability of ground water in the Water Valley quadrangle, Kentucky-Tennessee, by T. W. Lambert. 1965. Lat 36°30' to 36°37'30", long 88°45' to 88°52'30". Scale 1:24,000. Water-level contour interval 10 feet. 36 by 47½ inches. 50¢.
- HA-163. Availability of ground water in the Hickory quadrangle, Jackson Purchase region, Kentucky, by J. H. Morgan. 1965. Lat 36°45' to 36°52'30", long 88°37'30" to 88°45'. Scale 1:24,000. Water-level contour interval 10 feet. 35 by 47½ inches. 50¢.
- HA-164. Availability of ground water in the Mayfield quadrangle, Jackson Purchase region, Kentucky, by R. W. Davis. 1965. Lat 36°37'30" to 36°45', long 88°37'30" to 88°45'. Scale 1:24,000. Water-level contour interval 10 feet. 34 by 48 inches. 50¢.

- HA-165. Availability of ground water in parts of Hamlin and Paris Landing quadrangles, Jackson Purchase region, Kentucky, by T. W. Lambert. 1966. Lat 36°30' to 36°37'30", long 88° to 88°07'30". Scale 1:24,000. 35 by 48 inches. 50¢.
- HA-166. Availability of ground water in the Westplains quadrangle, Jackson Purchase region, Kentucky, by L. M. MacCary and R. W. Davis. 1966. Lat 36°45' to 36°52'30", long 88°30' to 88°37'30". Scale 1:24,000. Water-level contour interval 10 feet. 36 by 47 inches. 50¢.
- HA-167. Availability of ground water in the Crutchfield quadrangle, Jackson Purchase region, Kentucky-Tennessee, by A. J. Hansen, Jr. 1966. Lat 36°30' to 36°37'30", long 88°52'30" to 89°. Scale 1:24,000. Water-level contour interval 10 feet. 39 by 48 inches. 50¢.
- HA-168. Availability of ground water in the Heath quadrangle, Jackson Purchase region, Kentucky, by T. W. Lambert. 1966. Lat 37° to 37°07'30", long 88°45' to 88°52'30". Scale 1:24,000. Water-level contour interval 10 feet. 36½ by 48 inches. 50¢.
- HA-169. Availability of ground water in the Fancy Farm quadrangle, Jackson Purchase region, Kentucky, by R. W. Davis. 1966. Lat 36°45' to 36°52'30", long 88°45' to 88°52'30". Scale 1:24,000. Water-level contour interval 10 feet. 37 by 44 inches. 50¢.
- HA-170. Availability of ground water in the Dublin quadrangle, Jackson Purchase region, Kentucky, by A. J. Hansen, Jr. 1966. Lat 36°37'30" to 36°45', long 88°45' to 88°52'30". Scale 1:24,000. Water-level contour interval 10 feet. 34½ by 43 inches. 50¢.
- HA-171. Availability of ground water in the Kentucky parts of the Joppa and Metropolis quadrangles, Jackson Purchase region, Kentucky, by A. J. Hansen, Jr. 1966. Vicinity of lat 37°10', long 82°50'. Scale 1:24,000. Water-level contour interval 10 feet. 37 by 42 inches. 75¢.
- HA-172. Availability of ground water in the Lovelaceville quadrangle, Jackson Purchase region, Kentucky, by R. W. Davis. 1966. Lat 36°52'30" to 37°, long 88°45' to 88°52'30". Scale 1:24,000. Water-level contour interval 10 feet. 36 by 44 inches. 75¢.
- HA-173. Availability of ground water in the La Center quadrangle, Jackson Purchase region, Kentucky, by T. W. Lambert. 1966. Lat 37° to 37°07'30", long 88°52'30" to 89°. Scale 1:24,000. Water-level contour interval 10 feet. 35 by 48 inches. 75¢.
- HA-174. Availability of ground water in the Melber quadrangle, Jackson Purchase region, Kentucky, by R. W. Davis. 1967. Lat 36°52'30" to 37°, long 88°37'30" to 88°45'. Scale 1:24,000. Water-level contour interval 10 feet. 36 by 47 inches. 75¢.
- HA-175. Availability of ground water in the Clinton quadrangle, Jackson Purchase region, Kentucky, by A. J. Hansen, Jr. 1967. Lat 36°37'30" to 36°45', long 88°52'30" to 89°. Scale 1:24,000. Water-level contour interval 10 feet. 32 by 37 inches. 75¢.
- HA-176. Availability of ground water in the parts of the Olmsted and Bandana quadrangles, in Jackson Purchase region, Kentucky, by A. J. Hansen, Jr. 1967. Lat 37°07'30" to about 37°12'35", long 88°52'30" to about 89°06'30". Scale 1:24,000. Water-level contour interval 10 feet. 54 by 39 inches. 75¢.
- HA-177. Availability of ground water in the Paducah West and East quadrangles, Illinois, and Jackson Purchase region, Kentucky, by T. W.

- Lambert. 1967. Lat 37° to 37°07'30", long 88°30' to 88°45'. Scale 1:24,000. Water-level contour interval 10 feet. Sheet 1, 41 by 45 inches. Sheet 2, 33 by 45 inches. \$1 per set.
- HA-178. Availability of ground water in parts of the New Madrid SE, Hubbard Lake, and Bondurant quadrangles, Jackson Purchase region, Kentucky-Tennessee, by T. W. Lambert. 1967. Sheet 1, lat 36°30' to 36°35', long 89°27'30" to 89°32'20"; 35 by 42½ inches. Sheet 2, lat 36°30' to 36°37'30", long 89°15' to 89°25'; 34½ by 40 inches. Scale 1:24,000. Water-level contour interval 10 feet. \$1 per set.
- HA-179. Availability of ground water in the Milburn quadrangle, Jackson Purchase region, Kentucky, by R. W. Davis. 1967. Lat 36°45' to 36°52'30", long 88°52'30" to 89°. Scale 1:24,000. Water-level contour interval 10 feet. 36 by 43 inches. 75¢.
- HA-180. Availability of ground water in the Cayce quadrangle, Jackson Purchase region, Kentucky-Tennessee, by A. J. Hansen, Jr. 1967. Lat 36°30' to 36°37'30", long 89° to 89°07'30". Scale 1:24,000. Water-level contour interval 10 feet. 34 by 42 inches. 75¢.
- HA-181. Availability of ground water in the Hickman quadrangle, Kentucky-Missouri-Tennessee, by T. W. Lambert. 1968. Lat 36°30' to 36°37'30", long 89°07'30" to 89°15'. Scale 1:24,000. 39 by 45 inches. 75¢.
- HA-182. Availability of ground water in the Oakton quadrangle and part of the Wolf Island quadrangle in Jackson Purchase region, Kentucky, by A. J. Hansen, Jr. 1968. Lat 36°37'30" to 36°45', long 89° to 89°12'30". Scale 1:24,000. Water-level contour interval 10 feet. 36½ by 55 inches. 75¢.
- HA-183. Availability of ground water in parts of the Arlington and Wickliffe SW quadrangles in Jackson Purchase region, Kentucky, by R. W. Davis. 1968. Lat 36°45' to 36°52'30", long 89° to 89°10'. Scale 1:24,000. 40½ by 56 inches. 75¢.
- HA-184. Availability of ground water in the Blandville quadrangle, Jackson Purchase region, Kentucky, by A. J. Hansen, Jr. 1968. Scale 1:24,000. Water-level contour interval 10 feet. 38 by 43 inches. 75¢.
- HA-185. Availability of ground water in the parts of the Wickliffe and Wickliffe NW quadrangles in Jackson Purchase region, Kentucky, by T. W. Lambert. 1968. Lat 36°52'30" to 37°, long 89° to 89°07'30". Scale 1:24,000. Water-level contour interval 10 feet. 39½ by 50 inches. 75¢.
- HA-186. Availability of ground water in parts of the Cairo and Barlow quadrangles in the Jackson Purchase region, Kentucky, by A. J. Hansen, Jr. 1968. Lat 37° to 37°07'30", long 89° to 89°07'30". Scale 1:24,000. Water-level contour interval 10 feet. 40 by 51½ inches. 75¢.
- HA-187. Water resources and surficial geology of the Homer area, south-central Alaska, by R. M. Waller, A. J. Feulner, and D. A. Morris. 1968. Lat 59°35' to 59°45', long 151°20' to 151°40'. Scale 1:63,360. 34 by 45 inches. 75¢.
- HA-188. Flood of August 1966 in the lower Loup River basin, Nebraska, by F. B. Shaffer and K. J. Braun. 1967. Sheet 1, lat 41°22'30" to 41°30', long 97°37'30" to 98°, sheet 2, lat 41°22'30" to 41°30', long 97°15' to 97°37'30". Scale 1:24,000. Contour intervals 5 and 10 feet. Each sheet 40½ by 55 inches. \$1.25 per set.
- HA-189. Calcium, sodium, sulfate, and chloride in stream water of the western conterminous United States to 1957, by J. H. Feth. 1965. Four

- maps, each showing concentration of a mineral constituent. Scale 1:2,500,000. Sheet 1, 38 by 45 inches; sheets 2-4, 35 by 38½ inches. \$1.50 per set.
- HA-190. Flood on Big Fossil Creek at Haltom City near Fort Worth, Tex., in 1962, by J. H. Montgomery, F. H. Ruggles, Jr., and J. L. Patterson. 1965. Lat 32°45' to 32°52'30", long 92°12'30" to 97°22'30". Scale 1:24,000. Contour interval 10 feet. 32 by 41 inches. 75¢.
- HA-191. Availability of ground water in Tularosa Basin and adjoining areas, New Mexico and Texas, by E. H. Herrick and L. V. Davis. 1965. Lat about 31°50' to 34°10', long about 105° to 107°. Scale approximately 1:750,000. 24 by 35 inches. Accompanied by 5-page text. 50¢.
- HA-192. Water resources of the Three Rivers area, Otero and Lincoln Counties, N. Mex., by J. W. Hood and E. H. Herrick. 1965. Lat vicinity of 36°22', long 106°. Scale 1:126,720. Water-table contour interval 50 feet. 75¢.
- HA-193. Ground-water resources of the northern Tularosa basin near Carrizozo, Lincoln County, N. Mex., by J. B. Cooper. 1965. Vicinity of lat 33°45', long 105°45'. Scale 1:125,000. Water-table contour interval 50 feet. 31½ by 34 inches. 75¢.
- HA-194. Generalized map showing annual runoff and productive aquifers in the conterminous United States, compiled by C. L. McGuinness. 1964. Scale 1:5,000,000. 29 by 44 inches. 75¢.
- HA-195. Hydrogeology of the glacial drift in the Skunk Creek-Lake Madison drainage basin, southeastern South Dakota, by M. J. Ellis and D. G. Adolphson. 1965. Lat 43°30' to 44°, long 97° to 97°15'. Scale 1:125,000. 35 by 52 inches. Accompanied by 7-page text. 75¢.
- HA-196. Synopsis of water resources of the Ipswich River basin, Massachusetts, by E. A. Sammel, R. A. Brackley, and W. N. Palmquist, Jr. 1964. Sheet 1, summary of hydrology; 21 by 25 inches. Sheet 2, map showing availability of ground water and locations of municipal water supplies; lat 42°30' to 42°45', long 70°45' to 71°12'30"; scale about 1:58,000; 25 by 29 inches. 75¢ per set.
- HA-197. Hydrogeologic map of Puerto Rico and adjacent islands, by R. P. Briggs and J. P. Akers. 1965. Scale 1:240,000. 35 by 54½ inches. 75¢.
- HA-198. Water resources of the Appalachian Region, Pennsylvania to Alabama, by W. J. Schneider and others. 1965. Sheet 1 describes the region, index map at scale of 1:7,000,000; sheets 2-11 show various kinds of data, maps at scale of 1:2,500,000. Each sheet 23 by 30 inches. \$3.25 per set.
- HA-199. Preliminary map of the conterminous United States showing depth to and quality of shallowest ground water containing more than 1,000 parts per million dissolved solids, by J. H. Feth and others. 1965. Scale 1:3,168,000. Two sheets, 41 by 64 inches. Accompanied by 31-page text. \$1.25 per set.
- HA-200. Chemical quality of public water supplies of the United States and Puerto Rico, 1962, shown as Statewide averages, mainly in graphic and tabular form, by C. N. Durfor and Edith Becker. 1964. 36 by 53½ inches. 50¢.
- HA-201. Water resources of the Middle River watershed, northwestern Minnesota, by R. W. Maclay, T. C. Winter, and G. M. Pike. 1965. Lat 48° to about 48°45', long 96° to about 97°. Scale 1:250,000. Sheet 1,

- ground water; 40 by 48 inches. Sheet 2, surface water; 33 by 37 inches. Sheet 3, water use, estimation of water yield, and summary of water resources; 27 by 39 inches. \$1.50 per set.
- HA-202. Floods in West Chicago quadrangle, northeastern Illinois, by H. E. Allen and V. J. May. 1965. Lat 41°52'30" to 42°, long 88°07'30" to 88°15'. Scale 1:24,000. Contour interval 10 feet. 32 by 44 inches. 75¢.
- HA-203. Floods in Streamwood quadrangle, northeastern Illinois, by V. J. May and H. E. Allen. 1965. Lat 42° to 42°07'30", long 88°07'30" to 88°15'. Scale 1:24,000. Contour interval 10 feet. 32 by 49 inches. 75¢.
- HA-204. Floods in Mokena quadrangle, northeastern Illinois, by A. W. Noehre. 1966. Lat 41°30' to 41°37'30", long 87°52'30" to 88°. Scale 1:24,000. Contour interval 5 feet. 31 by 44 inches. 75¢.
- HA-205. Floods in Lake Calumet quadrangle, northeastern Illinois, by H. E. Allen. 1966. Lat 41°37'30" to 41°45', long 87°30' to 87°37'30". Scale 1:24,000. Contour interval 5 feet. 31 by 35 inches. 75¢.
- HA-206. Floods in River Forest quadrangle, northeastern Illinois, by V. J. May. 1966. Lat 41°52'30" to 42°, long 87°45' to 87°52'30". Scale 1:24,000. Contour interval 5 feet. 32 by 45 inches. 75¢.
- HA-207. Floods in Wauconda quadrangle, northeastern Illinois, by H. E. Allen. 1966. Lat 42°15' to 42°22'30", long 80°07'30" to 80°15'. Scale 1:24,000. Contour interval 10 feet. 31 by 48 inches. 75¢.
- HA-208. Floods in Lake Zurich quadrangle, northeastern Illinois, by A. W. Noehre and R. T. Mycyk. 1966. Lat 42°07'30" to 42°15", long 88° to 88°07'30". Scale 1:24,000. Contour interval 10 feet. 30½ by 53 inches. 75¢.
- HA-209. Floods in Steger quadrangle, northeastern Illinois, by H. E. Allen. 1966. Lat 41°22'30" to 41°30', long 87°37'30" to 87°45'. Scale 1:24,000. Contour interval 10 feet. 35 by 53 inches. 75¢.
- HA-210. Floods in Normantown quadrangle, northeastern Illinois by V. J. May. 1966. Lat 41°37'30" to 41°45', long 88°07'30" to 88°15'. Scale 1:24,000. Contour interval 5 feet. 31 by 49 inches. 75¢.
- HA-211. Floods in Manhattan quadrangle, northeastern Illinois, by H. E. Allen and R. T. Mycyk. 1966. Lat 41°22'30" to 41°30', long 87°52'30" to 88°. Scale 1:24,000. Contour interval 10 feet. 30 by 49 inches. 75¢.
- HA-212. Annual runoff in the conterminous United States, by M. W. Busby. 1966. Scale 1:7,500,000. 30½ by 39 inches. 75¢.
- HA-213. Water resources of the Big Stone Lake watershed, west-central Minnesota, by R. D. Cotter, L. E. Bidwell, E. L. Oakes, and G. H. Hollenstein. 1966. Lat 45° to about 45°35', long about 95°45' to 96°50'. Sheets 1-3 include maps at a scale of 1:250,000. Sheet 1, 30 by 34½ inches; sheet 2, 29½ by 37½ inches; sheet 3, 27 by 32½ inches; and sheet 4, 22½ by 27½ inches. \$1.50 per set.
- HA-214. Maps showing fluoride content and salinity of ground water in the Willcox basin, Graham and Cochise Counties, Ariz., by L. R. Kister, S. G. Brown, H. H. Schumann, and P. W. Johnson. 1966. Lat vicinity 32°15', long vicinity 110°. Sheet 1, 34 by 38½ inches; sheet 2, 23½ by 34 inches. Accompanied by 6-page text. \$1 per set.
- HA-216. Geohydrology of Saline County, Nebr., by P. A. Emery. 1966. Lat about 40°20' to 40°40', long about 96°55' to 97°20'. Scale of larger maps, 1:125,000. 36 by 47½ inches. Accompanied by 5-page text. 50¢.
- HA-217. General availability of ground water and depth to water level in

- the Missouri River basin, by G. A. La Rocque, Jr. 1966. Lat 36° to 49°, long 90° to 114°. Scale 1:2,500,000. 29 by 38 inches. 75¢.
- HA-218. Fresh-water springs of Hawaii from infrared images, by W. A. Fischer, D. A. Davis, and T. M. Sousa. 1966. 33 by 53 inches. 75¢.
- HA-219. Ground-water reconnaissance of the Great Divide and Washakie basins and some adjacent areas, southwestern Wyoming, by G. E. Welder and L. J. McGreevy. 1966. Sheets 1 and 2, lat 41° to 42°21', long 107° to about 109°15'; scale 1:250,000. Sheet 1, geologic map showing generalized structure contours and geologic sections; 36½ by 45 inches. Sheet 2, hydrologic map showing generalized piezometric contours in the Great Divide basin, specific conductance of ground water, and spring and well locations; 35½ by 45 inches. Sheet 3, generalized section of the geologic formations; 14 by 28 inches. Accompanied by 10-page text. \$2 per set.
- HA-220. Water resources of the Pomme de Terre River watershed, west-central Minnesota, by R. D. Cotter and L. E. Bidwell. 1966. Lat 45° to 46°15', long 95°30' to 96°15'. Scale 1:250,000. Sheet 1, municipal supply potential and water use; 34½ by 39 inches. Sheet 2, ground water; 30½ by 36 inches. Sheet 3, surface water; 31 × 31 inches. Sheet 4, chemical quality of water; 26½ by 32½ inches. \$2 per set.
- HA-221. Map showing altitude of the base of fresh water in coastal plain aquifers of the Mississippi embayment, by E. M. Cushing. 1966. Scale 1:1,000,000. Contours on base of fresh water, interval 200 feet. 29½ by 32 inches. 50¢.
- HA-222. Hydrology and physiography of the Salton Sea, Calif., by W. M. Littlefield. 1966. Lat 33° to 33°35', long 115°30' to 116°05'. Scale 1:125,000. 27 by 42 inches. 50¢.
- HA-223. Base of fresh ground water in southern Oklahoma, by D. L. Hart, Jr. 1966 [1969]. Sheet 1, lat 34° to 35°30'08", long 98° to 110°; 33½ by 48½ inches. Sheet 2, lat about 33°45' to about 36°, long 96° to 98°; 33½ by 54½ inches. Two larger maps have scale 1:250,000 and contour interval 100 feet. \$1.25 per set.
- HA-224. Availability of ground water from the alluvium along the Missouri River in northeastern Montana, by W. B. Hopkins and J. R. Tilstra. 1966. Area in vicinity of lat 48°, long 105°. Scale 1:96,000. 32 by 45 inches. Accompanied by 13-page text. 75¢.
- HA-225. Surficial geology and availability of ground water in part of the lower Penobscot River basin, Maine, by G. C. Prescott, Jr. 1966 [1967]. Lat 44°30' to 45°, long 68°20' to 69°. Scale 1:62,500. 39 by 41 inches. Accompanied by 5-page text. \$1.
- HA-226. Floods in Antioch quadrangle, northeastern Illinois, by A. W. Noehre and G. L. Walter. 1966. Lat 42°22'30" to 42°30', long 88° to 88°07'30". Scale 1:24,000. Contour interval 10 feet. 31 by 44 inches. 75¢.
- HA-227. Floods in Sugar Grove quadrangle, northeastern Illinois, by H. E. Allen. 1966 [1967]. Lat 41°45' to 41°52'30", long 88°22'30" to 88°30'. Scale 1:24,000. Contour interval 10 feet. 30 by 48 inches. 75¢.
- HA-228. Floods in Plainfield quadrangle, northeastern Illinois, by V. J. May and R. J. Schafish. 1966. Lat 41°30' to 41°37'30", long 88°07'30" to 88°15'. Scale 1:24,000. Contour interval 5 feet. Sheet 32 by 53 inches. 75¢.
- HA-229. Floods in Elburn quadrangle, northeastern Illinois, by H. E. Allen,

1966. Lat $41^{\circ}52'30''$ to 42° , long $88^{\circ}22'30''$ to $88^{\circ}30'$. Scale 1:24,000. Contour interval 10 feet. $30\frac{1}{2}$ by 39 inches. 75¢.
- HA-230. Floods in Grayslake quadrangle, northeastern Illinois, by V. J. May, A. W. Noehre, and G. L. Walter. 1967. Lat $42^{\circ}15'$ to $42^{\circ}22'30''$, long 88° to $88^{\circ}07'30''$. Scale 1:24,000. Contour interval 10 feet. 31 by 40 inches. 75¢.
- HA-231. Floods in Frankfort quadrangle, northeastern Illinois, by R. T. Mycyk. 1967. Lat $41^{\circ}22'30''$ to $41^{\circ}30'$, long $87^{\circ}45'$ to $87^{\circ}52'30''$. Scale 1:24,000. Contour interval 10 feet. 30 by 40 inches. 75¢.
- HA-232. Floods in Pingree Grove quadrangle, northeastern Illinois, by H. E. Allen. 1967. Lat 42° to $42^{\circ}07'30''$, long $88^{\circ}22'30''$ to $88^{\circ}30'$. Scale 1:24,000. Contour interval 10 feet. $30\frac{1}{2}$ by 39 inches. 75¢.
- HA-233. Floods in Zion quadrangle, northeastern Illinois, by V. J. May and R. T. Mycyk. 1967. Lat $42^{\circ}22'30''$ to $42^{\circ}30'$, long $87^{\circ}46'$ to $87^{\circ}52'30''$. Scale 1:24,000. Contour interval 10 feet. 30 by 50 inches. 75¢.
- HA-234. Floods in Waukegan quadrangle, northeastern Illinois, by R. T. Mycyk and V. J. May. 1967. Lat $42^{\circ}15'$ to $42^{\circ}22'30''$, long $87^{\circ}48'$ to $87^{\circ}52'30''$. Scale 1:24,000. Contour interval 10 feet. 30 by 42 inches. 75¢.
- HA-235. Temperature of surface waters in the conterminous United States, by J. F. Blakey. 1966. Scale 1:5,000,000. Three sheets, each 32 by 41 inches. Accompanied by 8-page text. \$1.25 per set.
- HA-236. Ground water in Black Squirrel Creek valley, El Paso County, Colo., by H. E. McGovern and E. D. Jenkins. 1966. Vicinity of lat $38^{\circ}50'$, long $104^{\circ}25'$. 34 by 43 inches. 50¢.
- HA-237. Water resources of the Two Rivers watershed, northwestern Minnesota, by R. W. Maclay, T. C. Winter, and G. M. Pike. 1967. Vicinity of lat $48^{\circ}45'$ to 49° , long 96° to 97° . Scale 1:250,000. Sheet 1, 26 by $36\frac{1}{2}$ inches; sheet 2, $38\frac{1}{2}$ by $40\frac{1}{2}$ inches; sheet 3, $31\frac{1}{2}$ by 36 inches; and sheet 4, 29 by 36 inches. \$2 per set.
- HA-238. Floods on White Rock Creek at Dallas, Tex., in 1962 and 1964, by F. H. Ruggles, Jr., and C. R. Gilbert. 1967. Lat $32^{\circ}42'30''$ to 33° , long $96^{\circ}42'30''$ to $96^{\circ}50'$. Scale 1:24,000. Contour interval 10 feet. 37 by 51 inches. \$1.
- HA-239. Floods in Kahaluu area, Oahu, Hawaii, by M. M. Miller. 1966. Scale 1:12,000. Contour interval 40 feet. 30 by 43 inches. \$1.
- HA-240. Flood of October 8, 1962, on Bachman Branch and Joes Creek at Dallas, Tex., by F. H. Ruggles, Jr. 1966 [1967]. Lat $32^{\circ}50'$ to $32^{\circ}57'$, long $96^{\circ}47'$ to $96^{\circ}55'$. Scale 1:24,000. Contour interval 10 feet. 30 by 43 inches. \$1.
- HA-241. Water resources of the Roseau River watershed, northwestern Minnesota, by T. C. Winter, R. W. Maclay, and G. M. Pike. 1967. Vicinity of lat $48^{\circ}45'$, long 96° . Scale 1:250,000. Sheet 1, 36 by 36 inches; sheet 2, 36 by 39 inches; and sheet 3, 33 by 39 inches. \$1.50 per set.
- HA-242. Ground water of Baker Valley, Baker County, Oreg., by D. J. Lystrom, W. L. Nees, and E. R. Hampton. 1967. Vicinity of lat 45° , long $117^{\circ}50'$. Scale 1:96,000. 27 by 45 inches. 75¢.
- HA-243. Effect of drought on water resources in the Northeast, by H. C. Barksdale, Deric O'Bryan, and W. J. Schneider. 1966. $26\frac{1}{2}$ by 32 inches. 50¢.
- HA-244. Water resources of the Patuxent River basin, Maryland, by J. W.

- Crooks, Deric O'Bryan, and others. 1967. Scale 1:250,000. Five sheets, each 28 by 39 inches. \$2.50 per set.
- HA-245. Floods on Millstone River and Stony Brook in vicinity of Princeton, N.J., by J. A. Bettendorf. 1967. Lat 40°17'30" to 40°25', long 74°35' to 74°45'. Scale 1:24,000. Contour interval 20 feet. 32 by 41 inches. 75¢.
- HA-246. Floods at Easton, Pa.-Phillipsburg, N.J., by G. M. Farlekas. 1967. Lat 40°35' to 40°45', long 75°07'30" to 75°15'. Scale 1:24,000. Contour interval 20 feet. 36 by 40 inches. \$1.
- HA-247. Water resources of the Parker and Rowley River basins, Massachusetts, by E. A. Sammel. 1967. Lat 42°40' to 42°50', long 70°47'30" to 71°05'. Scale 1:24,000. Contour interval 10 feet. 37 by 46 inches. 75¢.
- HA-248. Floods on Schuylkill River from Conshohocken to Philadelphia, Pa., by A. T. Alter. 1967. Lat 40° to 40°05', long 75°11' to 75°17'30". Scale 1:16,000. Contour interval 10 feet. 28 by 53 inches. \$1.
- HA-249. Ground-water favorability of the Connecticut River basin, New England States, by D. J. Cederstrom and A. L. Hodges, Jr. 1967. Sheet 1, map of the upper basin; lat 41° to 42°, long 71°45' to 73°15'; 34 by 52 inches. Sheet 2, map of the lower basin; lat 43° to 45°30', long 71° to 73°15'; 24 by 42 inches. Scale 1:250,000. \$1.25 per set.
- HA-250. Availability of ground water in Texas County, Okla., by P. R. Wood and D. L. Hart, Jr. 1967. Lat 36°30' to 37°, long 101° to 102°. Scale 1:125,000. Sheet 1, 24 by 47½ inches; sheet 2, 31 by 38 inches; and sheet 3, 24 by 48 inches. \$1.25 per set.
- HA-251. Floods in Peotone quadrangle, northeastern Illinois, by H. E. Allen. 1967. Lat 41°15' to 41°22'30", long 87°45' to 87°52'30". Scale 1:24,000. Contour interval 10 feet. 30 by 48 inches. 75¢.
- HA-252. Floods in Berwyn quadrangle, northeastern Illinois, by A. W. Noehre and G. L. Walter. 1967. Lat 41°45' to 41°52'30", long 87°45' to 87°52'30". Scale 1:24,000. Contour interval 5 feet. 31 by 44 inches. 75¢.
- HA-253. Floods in Crystal Lake quadrangle, northeastern Illinois, by V. J. May and R. T. Mycyk. 1967. Lat 42°07'30" to 42°15', long 88°15' to 88°22'30". Scale 1:24,000. Contour interval 10 feet. 33 by 48 inches. 75¢.
- HA-254. Floods in Elwood quadrangle, northeastern Illinois, by H. E. Allen and R. T. Mycyk. 1967. Lat 41°22'30" to 41°30', long 88° to 88°07'30". Scale 1:24,000. Contour interval 10 feet. 30½ by 57 inches. 75¢.
- HA-255. Floods in McHenry quadrangle, northeastern Illinois, by R. T. Mycyk and G. L. Walter. 1968. Lat 42°15' to 42°22'30", long 88°15' to 88°22'30". Scale 1:24,000. 31 by 48 inches. 75¢.
- HA-256. Floods in Woodstock quadrangle, northeastern Illinois, by H. E. Allen. 1968 [1969]. Lat 42°15' to 42°22'30", long 88°22'30" to 88°30'. Scale 1:24,000. Contour interval 10 feet. 33½ by 48 inches. 75¢.
- HA-257. Floods in Beecher West quadrangle, northeastern Illinois, by H. E. Allen. 1968 [1969]. Lat 41°15' to 41°22'30", long 87°37'30" to 87°45'. Scale 1:24,000. Contour interval 10 feet. 31½ by 54 inches. 75¢.
- HA-258. Floods in Seward quadrangle, southeastern Nebraska, by F. B. Shaffer and K. J. Braun. 1967. Lat 40°52'30" to 41°, long 97° to 97°07'30". Scale 1:24,000. Contour interval 10 feet. 33 by 38 inches. 75¢.
- HA-259. Water resources and surficial geology of the Mendenhall Valley, Alaska, by W. W. Barnwell and C. W. Boning. 1968. Scales 1:31,680 and 1:63,360. 32½ by 45 inches. Accompanied by 6-page text. 75¢.

- HA-260. Time of travel of solutes in Mississippi River from Baton Rouge to New Orleans, La., by M. R. Stewart. 1967. 29½ by 49 inches. 50¢.
- HA-261. Floods in the Ponce area, Puerto Rico, by I. J. Hickenlooper and M. A. Lopez. 1967. Lat 17°57'30" to 18°02'30", long 66°35' to 66°40'. Scale 1:20,000. Contour interval 10 meters. 26 by 44 inches. 75¢.
- HA-262. Floods at Barceloneta and Manati, P.R., by I. J. Hickenlooper. 1967. Lat 18°22'30" to 18°30', long 66°29' to 66°33'30". Scale 1:20,000. Contour intervals 5 and 10 meters. 30 by 35 inches. 50¢.
- HA-263. Floods on Delaware River in the vicinity of Belvidere, N.J., by G. M. Farlekas. 1967. Lat 40°45' to 40°52'0", long about 75°02'30" to 75°12'30". Scale 1:24,000. Contour interval 20 feet. 30 by 49 inches. \$1.
- HA-264. Water-bearing characteristics and occurrence of aquifers in Martin County, N.C., by G. G. Wyrick. 1967. Lat 35°45' to 36°, long 77° to 77°15'. Scale 1:125,000. 21 by 32 inches. 50¢.
- HA-265. Floods at Humacao, P.R., by M. A. Lopez. 1967. Lat 18°06'30" to 18°10', long 65°45' to 65°51'30". Scale 1:20,000. Contour interval 10 meters. 20 by 40 inches. 75¢.
- HA-266. Availability of water in eastern Saunders County, Nebr., by V. L. Souders. 1967. Vicinity of lat 41°15', long 96°30'. Scale 1:125,000. 36 by 52 inches. 75¢.
- HA-267. Land use and its effect on the basal water supply, Pearl Harbor area, Oahu, Hawaii, 1931-65, by R. H. Dale. 1967. Scale 1:62,500. Sheet 1, 27 by 35 inches; sheet 2, 29 by 36½ inches. \$1.25 per set.
- HA-268. Patterns of subsurface flow in the Bloomington-Colton area, Upper Santa Ana Valley, Calif., by A. W. Gosling. 1967. Lat 34° to 34°07'30", long 117°15' to 117°25'. Scale 1:24,000. Water-level contour interval 10 feet. 30 by 46 inches. 50¢.
- HA-269. Water resources of the Lac qui Parle River watershed, southwestern Minnesota, by R. D. Cotter and L. E. Bidwell. 1968. Sheets 2-4, scale 1:250,000. Sheet 1, 30 by 36 inches. Sheet 2, piezometric-contour interval 20 feet; 29 by 36 inches. Sheet 3, 29 by 36 inches. Sheet 4, 31 by 34 inches. \$1.75 per set.
- HA-270. Ground-water resources and geology of the Wind River Basin area, central Wyoming, by H. A. Whitcomb and M. E. Lowry. 1968. Scale 1:250,000. Sheet 1, 35 by 49 inches. Sheet 2, piezometric-contour interval 100 feet; 35 by 48 inches. Sheet 3, 15 by 28 inches. Accompanied by 13-page text. \$1.25 per set.
- HA-271. Floods at Arecibo, P.R., by I. J. Hickenlooper. 1968. Lat 18°22'30" to 18°30', long 66°37'30" to 66°45'. Scale 1:20,000. Contour interval 10 meters. 35 by 40 inches. 75¢.
- HA-272. Water resources of the Mustinka and Bois De Sioux Rivers watershed, west-central Minnesota, by R. W. Maclay, T. C. Winter, and L. E. Bidwell. 1968. Scale 1:250,000. Sheet 1, 38 by 47½ inches; sheet 2, 33½ by 42 inches; sheet 3, 40½ by 48 inches; sheet 4, 39½ by 40 inches. \$2 per set.
- HA-273. Travel rates of water for selected streams in the Willamette River basin, Oregon, by D. D. Harris. 1968. Lat 43°15' to 46°20', long 121°30' to 124°30'. Scale 1:500,000. Sheet 1, 36 by 41 inches; sheet 2, 31 by 32 inches. \$1 per set.
- HA-274. Patterns of runoff in the Willamette Basin, Oreg., by E. A. Oster.

1968. Lat 43°15' to 46°20', long 121°30' to 124°30'. Scale 1:500,000. 32 by 38 inches. 50¢.
- HA-277. Ground-water resources of the lower Merrimack River valley, south-central New Hampshire, by J. M. Weigle. 1968. Lat 42°42'30" to 42°57'30", long 71°05'30" to 71°45'. Scale 1:62,500. 38 by 40 inches. 50¢.
- HA-278. Water resources of the Mississippi Headwaters Watershed, north-central Minnesota, by E. L. Oakes and L. E. Bidwell. 1968 [1969]. Sheets 2-4, scale 1:250,000. Sheets 1 and 3, 41 by 48 inches; sheet 2, 41 by 47 inches; and sheet 4, 36 by 44 inches. \$2 per set.
- HA-279. Geology and ground water in Labette County, Kans., by W. L. Jungmann and C. C. Williams. 1968. Lat 37° to 37°20', long 95°10' to 95°30'. Scale 1:63,360. 37 by 49 inches. 75¢.
- HA-280. Geology and water resources of the Hibbing area, northeastern Minnesota, by G. F. Lindholm. 1968. Scale 1:24,000. Sheet 1, bedrock-contour interval 20 feet; 41 by 47 inches. Sheet 2, water-level contour interval 20 feet; 42 by 46 inches. Sheet 3, 41 by 47 inches. \$1.50 per set.
- HA-281. Hydrology and water resources of the Housatonic River basin, Massachusetts, by R. F. Norvitch, D. F. Farrell, F. H. Pauszek, and R. G. Petersen. 1968. Scale 1:125,000. Sheet 1, 29 by 34 inches; sheet 2, 30 by 37½ inches; sheet 3, 37½ by 46½ inches; sheet 4, 35½ by 43 inches. \$2 per set.
- HA-282. River discharge to the sea from the shores of the conterminous United States, Alaska, and Puerto Rico—A contribution to the International Hydrological Decade, compiled by Alfonso Wilson and K. T. Iseri. 1967. Scale 1:5,000,000. Sheet 1, 38 by 43 inches; sheet 2, 29½ by 33 inches. \$1 per set. (Revised 1969.)
- HA-283. Ground-water resources of the James, York, and Rappahannock River basins of Virginia, west of the fall line, by G. D. DeBuchananne. 1968. Lat 37° to 39°, long 77° to 81°. Scale 1:500,000. 42 by 44 inches. 50¢.
- HA-284. Ground-water resources of the Eastern Shore of Virginia and the James, York, and Rappahannock River basins of Virginia, east of the fall line, by G. D. DeBuchananne. 1968. Scale 1:500,000. Sheet 1, 24 by 43½ inches; sheet 2, 29 by 41½ inches. \$1 per set.
- HA-285. Ground-water favorability areas and surficial geology of the lower Androscoggin River basin, Maine, by G. C. Prescott, Jr. 1968. Lat 43°52' to 44°20', long 69°45' to 70°15'. Scale 1:62,500. 40½ by 52 inches. \$1.
- HA-286. Water resources of the Chippewa River watershed, west-central Minnesota, by R. D. Cotter, L. E. Bidwell, W. A. Van Voast, and R. P. Novitzki. 1968. Scale 1:250,000. Sheet 1, 31 by 39 inches; sheet 2, 31½ by 38½ inches; sheet 3, 35½ by 44 inches; and sheet 4, 33 by 43 inches. \$1.75 per set.
- HA-287. Availability of ground water in Adams County, Nebr., by C. F. Keech and V. H. Dreeszen. 1968. Scale 1:125,000. Water-level contour interval 10 feet. 37 by 52½ inches. 50¢.
- HA-288. Floods in the Mayagüez area of Puerto Rico, by I. J. Hickenlooper. 1968. Lat 18°07'30" to 18°15', long 67°07'30" to 67°12'30". Scale 1:20,000. Contour interval 5 meters. 34 by 40 inches. 75¢.
- HA-289. Floods in the area of Vega Alta and Vega Baja, P.R., by I. J.

- Hickenlooper. 1968. Lat 18°24' to 18°30', long 66°18'30" to 66°26'. Scale 1:20,000. 30½ by 39½ inches. 75¢.
- HA-290. Ground-water reconnaissance of the Green River basin, southwestern Wyoming, by G. E. Welder. 1968. Lat 41° to 45°, vicinity of long 105° to 111°. Scale 1:250,000. Structure-contour interval 500 feet. Sheet 1, 32½ by 50½ inches; sheet 2, 36 by 43 inches. Accompanied by 5-page text. \$1 per set.
- HA-291. Summary of the geology and ground-water resources of Pitt County, N.C., by C. T. Sumsion. 1968. Scale 1:125,000. 30 by 38 inches. 50¢.
- HA-292. Ground-water resources of Chowan County, N.C., by O. B. Lloyd, Jr. 1968. Scale 1:125,000. 27 by 28½ inches. 50¢.
- HA-293. Water resources of the Millers River basin, north-central Massachusetts and southwestern New Hampshire, by M. R. Collings, D. R. Wiesnet, and W. B. Fleck. 1969. Lat about 42°30' to about 42°51', long about 69°53' to about 72°33'. Sheet 1, 25½ by 31 inches; sheet 2, 34 by 39½ inches; sheet 3, 37½ by 42 inches; and sheet 4, 34½ by 39 inches. \$2 per set.
- HA-294. Flood of August 1967 at Fairbanks, Alaska, by J. M. Childers and J. P. Meckel. 1967. Vicinity of lat 64°50', long 147°45'. Scale 1:24,000. Contour interval 50 feet. 38½ by 41 inches. \$1.
- HA-295. Ground-water resources of the Appalachian Region, by G. G. Wyrick. 1968. Sheet 1, 28 by 39 inches; sheets 2-4, 26 by 37 inches. \$1.50 per set.
- HA-296. Water resources of the Otter Tail River watershed, west-central Minnesota, by T. C. Winter, L. E. Bidwell, and R. W. Maclay. 1969. Vicinity of lat 46°40', long 96°. Sheet 1, 35½ by 43 inches; sheet 2, 36½ by 45 inches; sheet 3, 37 by 46 inches; and sheet 4, 37 by 41 inches. \$2 per set.
- HA-297. Floods on Chenango River and Canasawacta Creek at Norwich, N.Y., by Stephen Hladio. 1968. Lat 42°30'30" to 42°35', long 75°30' to 75°34'. Scale 1:12,000. 36 by 36½ inches. 75¢.
- HA-298. Average annual precipitation and runoff in north coastal California, by S. E. Rantz. 1968. Lat 37°30' to 42°, long 122° to 124°. Scale 1:1,000,000. 31 by 47½ inches. Accompanied by 4-page text. 75¢.
- HA-299. Reconnaissance of the Red Lake River, Minn., by L. H. Ropes, R. F. Brown, and D. E. Wheat. 1969. Scale 1:250,000. Two sheets, each 29 by 36 inches. \$1 per set.
- HA-300. Availability of ground water in the northern part, Tenmile and Taunton River basins, southeastern Massachusetts, by J. R. Williams. 1968 [1969]. Lat 41°52'30" to 42°07'30", long 71° to 71°22'30". Scale 1:31,680. 40½ by 43 inches. 50¢.
- HA-301. Floods in Dyer quadrangle, northeastern Illinois, by H. E. Allen. 1968. Lat 41°22'30" to 41°30', long 87°30' to 87°37'30". Scale 1:24,000. 29½ by 48 inches. 75¢.
- HA-302. Floods in Beecher East quadrangle, northeastern Illinois, by H. E. Allen and A. W. Noehre. 1969. Lat 41°15' to 41°22'30", long 87°30' to 87°37'30". Scale 1:24,000. 31½ by 44 inches. 75¢.
- HA-303. Floods in Richmond quadrangle, northeastern Illinois, by R. T. Mycyk and G. L. Walter. 1969. Lat 42°22'30" to 42°30', long 88°15' to 88°22'30". Scale 1:24,000. Contour interval 10 feet. 31 by 43½ inches. 75¢.

- HA-304. Floods in Wilton Center quadrangle, northeastern Illinois, by H. E. Allen and A. W. Noehre. 1969. Lat $41^{\circ}15'$ to $42^{\circ}22'30''$, long $87^{\circ}52'30''$ to 88° . Scale 1:24,000. Contour interval 10 feet. 31 by 53 inches. 75¢.
- HA-305. Floods in Symerton quadrangle, northeastern Illinois, by H. E. Allen, A. W. Noehre, and L. D. Hauth. 1970. Lat $41^{\circ}15'$ to $41^{\circ}22'30''$, long 88° to $88^{\circ}07'30''$. Scale 1:24,000. Contour interval 10 feet. 30 by 48 inches. 75¢.
- HA-307. Water resources of the Buffalo River watershed, west-central Minnesota, by R. W. Maclay, L. E. Bidwell, and T. C. Winter. 1969. Vicinity of lat $46^{\circ}45'$, long $96^{\circ}15'$. Scale 1:250,000. Sheet 1, $37\frac{1}{2}$ by 42 inches; sheet 2, 37 by 41 inches; and sheet 3, $40\frac{1}{2}$ by 43 inches. \$1.50 per set.
- HA-308. Occurrence of ground water in the Judith River Formation, north-central Montana, by W. R. Osterkamp. 1968. Lat $47^{\circ}15'$ to 48° , long 107° to 109° . Scale 1:250,000. Structure-contour interval 100 feet. $35\frac{1}{2}$ by $44\frac{1}{2}$ inches. 75¢.
- HA-309. Geohydrology of the Coastal Plain aquifers of Arkansas, by R. L. Hosman. 1969. Scale 1:500,000. Contours on base of fresh water, interval 100 feet. 42 by 58 inches. 75¢.
- HA-310. Saline ground water in Louisiana, by A. G. Winslow, D. E. Hillier, and A. N. Turcan, Jr. 1968 [1969]. Scale 1:750,000. Sheets 1 and 2, $34\frac{1}{2}$ by $40\frac{1}{2}$ inches; sheet 3, 28 by 30 inches; and sheet 4, 28 by 29 inches. \$1.75 per set.
- HA-311. Hydrology of a part of the Big Sioux drainage basin, eastern South Dakota, by M. J. Ellis, D. G. Adolphson, and R. E. West. 1969. Scale 1:125,000. Water-level contour interval 5 feet. $41\frac{1}{2}$ by 50 inches. Accompanied by 5-page text. 75¢.
- HA-312. Water resources of the Assabet River basin, central Massachusetts, by S. J. Pollock, D. F. Farrell, and W. W. Caswell. 1969. Vicinity of lat $42^{\circ}27'$, long $71^{\circ}35'$. Scale 1:48,000. $37\frac{1}{2}$ by 38 inches. 50¢.
- HA-313. Ground-water occurrence in the Goldendale area, Klickitat County, Wash., by J. E. Luzier. 1969. Lat $45^{\circ}40'$ to about $45^{\circ}55'$, long about $120^{\circ}45'$ to $121^{\circ}10'$. Scale 1:62,500. Water-level contour interval 100 feet. 36 by 42 inches. 75¢.
- HA-314. Floods in Waimanalo area, Oahu, Hawaii, by Reuben Lee and W. C. F. Chang. 1968. Lat $21^{\circ}19'$ to $21^{\circ}22'30''$, long $157^{\circ}41'30''$ to $157^{\circ}46'30''$. Scale 1:12,000. Contour interval 40 feet. $25\frac{1}{2}$ by $46\frac{1}{2}$ inches. 75¢.
- HA-315. Reconnaissance of the ground-water resources of the Missouri River alluvium between St. Charles and Jefferson City, Mo., by L. F. Emmett and H. G. Jeffery. 1968 [1969]. Lat $38^{\circ}30'$ to 39° , long $90^{\circ}30'$ to $92^{\circ}15'$. Scale 1:125,000. Piezometric-contour interval 10 feet. $32\frac{1}{2}$ by 54 inches. 50¢.
- HA-316. Water resources of Antelope County, Nebr., by V. L. Souders and F. B. Shaffer. 1969. Lat about 42° to about $42^{\circ}15'$, long about 98° to about $98^{\circ}15'$. Water-level contour interval 20 feet. Sheet 1, $29\frac{1}{2}$ by $46\frac{1}{2}$ inches; sheet 2, 26 by $46\frac{1}{2}$ inches; and sheet 3, 30 by 47 inches. \$1.50 per set.
- HA-317. Water resources of the Belle River basin, southeastern Michigan, by R. L. Knutilla. 1969. Vicinity of lat $42^{\circ}50'$, long $82^{\circ}50'$. Scale 1:250,000. $41\frac{1}{2}$ by 47 inches. 75¢.
- HA-318. Flood of August 1966 at Carlsbad, N. Mex., by L. P. Denis. 1968. 30 by 32 inches. 50¢.

- HA-319. Hydrologic reconnaissance of the Tanana basin, central Alaska, by G. S. Anderson. 1970. Lat about 62° to 65° N., long about 141° to 152° W. Scale 1:1,000,000. Sheets 1-3, 32 by 42½ inches; sheet 4, 36 by 40½ inches. \$2 per set.
- HA-320. Water resources of the Yellow Medicine River watershed, southwestern Minnesota, by R. P. Novitzki, W. A. Van Voast, and L. A. Jerabek. 1969 [1970]. Sheets 2-3, scale 1:250,000; sheet 2, bedrock-contour interval 50 feet. Sheets 1-2, 38 by 40½ inches; sheet 3, 30½ by 38 inches. \$1.75 per set.
- HA-321. Water resources of Wisconsin-Fox-Wolf River basin, by P. G. Olcott. 1968 [1969]. Sheets 1-2, 28 by 38 inches; sheets 3-4, 29 by 38½ inches. \$2 per set.
- HA-322. Geology and ground-water resources of the Grand Rapids area, north-central Minnesota, by E. L. Oakes. 1970. Lat 47°07'30" to 47°22'30", long 93°22'30" to 93°45'. Scale 1:48,000. Sheet 1, 36 by 43½ inches. Sheet 2, piezometric-contour interval 20 feet; 37 by 43½ inches. \$1.50 per set.
- HA-323. Floods on Boone and Winkler Creeks at Boone, N.C., by W. J. Haire. 1968 [1969]. Vicinity of lat 36°12'30", long 81°40'. Scale 1:4,800. Contour interval 10 feet. 30 by 44 inches. 75¢.
- HA-324. Floods at Amesville, Ohio, by R. I. Mayo and E. E. Webber. 1969. Lat 39°22'30" to 39°25', long 81°52'30" to 82°. Scale 1:12,000. 37 by 39 inches. 75¢.
- HA-325. Floods at Jackson, Ohio, by E. E. Webber and R. I. Mayo. 1968 [1969]. Lat 39°01' to 39°06', long 82°36' to 82°41'. Scale 1:12,000. Contour interval 20 feet. 36 by 50 inches. 75¢.
- HA-326. Floods on Johns and Craig Creeks in Craig County, Va., by D. H. Rapp. 1968 [1969]. Lat 37°27'30" to 37°32'30", long 80°02'30" to 80°10'. Scale 1:12,000. Contour intervals 20 and 40 feet. 35½ by 40 inches. 75¢.
- HA-327. Water resources of the Pine River basin, southeastern Michigan, by R. L. Knutilla. 1969 [1970]. Scale 1:125,000. 35 by 45 inches. 75¢.
- HA-328. Floods on Levisa Fork in vicinity of Paintsville, Ky., by C. H. Hannum. 1969. Lat 37°46'15" to 37°49'50", long 82°45' to 82°49'39½". Scale 1:12,000. Contour interval 40 feet. 34 by 36 inches. 75¢.
- HA-329. Floods on Licking River in vicinity of Salyersville, Ky., by C. H. Hannum. 1969. Lat 37°42'30" to about 37°45', long 83°02'30" to 83°06'30". Scale 1:12,000. Contour interval 20 feet. 34 by 37½ inches. 75¢.
- HA-330. Ground water in the Ogallala Formation in the southern High Plains of Texas and New Mexico, by J. G. Cronin. 1969. Lat about 31°42' to about 35°35', long 100°45' to about 104°. Scale 1:500,000. Sheet 1, structure-contour interval 50 feet; sheets 2-4, water-level contour interval 50 feet. Each sheet, 29½ by 41 inches. Accompanied by 9-page text. \$1.50 per set.
- HA-331. Floods on Little Buffalo Creek at West Jefferson, N.C., by W. J. Haire. 1969. 33 by 47 inches. 50¢.
- HA-332. Travel of solutes in the lower Missouri River, by J. E. Bowie and L. R. Petrie. 1969. 37½ by 48 inches. 50¢.
- HA-333. Reconnaissance of the Pigeon River, a cold-water river in the north-central part of Michigan's southern peninsula, by G. E. Hendrickson and C. J. Doonan. 1970. Sheet 1, 31 by 32 inches. Sheet 2, lat about

- 45°02' to 45°26', long about 84°25' to 84°37'; scale 1:62,500; 30 by 40 inches. \$1.25 per set.
- HA-334. Ground-water resources of the St. James area, south-central Minnesota, by L. H. Ropes. 1969. Scale 1:62,500. 29 by 39 inches. 50¢.
- HA-335. Water quality in the Delaware estuary for two years of drought: 1965 and 1966, from Trenton, N.J., to Reedy Island, Del., by W. B. Keighton. 1969. Scale 1:1,000,000. Two sheets, each 34 by 43 inches. \$1 per set.
- HA-336. Reconnaissance of the ground-water resources of the Missouri River alluvium between Kansas City, Mo., and the Iowa border, by L. F. Emmett and H. G. Jeffery. 1969. Scale 1:125,000. 39 by 55½ inches. 50¢.
- HA-337. Ground-water favorability areas and surficial geology of the lower Kennebec River basin, Maine, by G. C. Prescott, Jr. 1969 [1970]. Vicinity of lat 44° to 44°35', long 69°30' to 69°55'. Scale 1:62,500. 38 by 57 inches. 75¢.
- HA-338. Water resources of the Black River basins, southeastern Michigan, by R. L. Knutilla. 1970. Sheet 1, 31 by 41 inches. Sheet 2, 31 by 35 inches. Sheet 3, 32 by 33½ inches. Bedrock-contour interval 50 feet. Map scales 1:125,000; 1:250,000. Accompanied by 10-page text. \$1.75 per set.
- HA-339. Water resources of the Wild Rice River watershed, northwestern Minnesota, by T. C. Winter, L. E. Bidwell, and R. W. Maclay. 1970. Scale 1:250,000. Sheet 1, 41 by 43 inches. Sheet 2, 36 by 42 inches. Sheet 3, 35½ by 41 inches. Sheet 4, water-table contour interval 40 feet; 34 by 40 inches. \$2 per set.
- HA-340. Reconnaissance of the ground-water resources of the Missouri River alluvium between Jefferson City and Miami, Mo., by L. F. Emmett and H. G. Jeffery. 1969 [1970]. Lat 38°30' to 39°30', long 92°15' to 93°15'. Scale 1:125,000. 37 by 43 inches. 50¢.
- HA-341. Hydrogeology of the Berea and Cussewago Sandstones in northeastern Ohio, by J. L. Rau. 1969 [1970]. Sheet 1, physical setting and geological framework; sheet 2, availability and quality of water. Lat 41° to 41°45', vicinity of long 80°45' to 82°15'. Scale 1:250,000. Two sheets, each 33½ by 44 inches. \$1 per set.
- HA-342. Floods in Triplett Creek in vicinity of Morehead, Ky., by C. H. Hannum. 1969. Lat about 38°08'45" to 38°12'21", long about 83°23'40" to 83°28'. Scale 1:12,000. 29 by 40 inches. 75¢.
- HA-343. Ground-water resources of Craven County, N.C., by E. O. Floyd. 1969 [1970]. Sheet 1, piezometric-contour intervals 5 and 10 feet; 38 by 45 inches. Sheet 2, 32 by 40 inches. \$1 per set.
- HA-344. Reconnaissance of the ground-water resources of the Missouri River alluvium between Miami and Kansas City, Mo., by L. F. Emmett and H. G. Jeffery. 1970. Lat 39° to about 39°15', long 93°15' to about 94°30'. Scale 1:125,000. Piezometric-contour interval 10 feet. 39 by 44 inches. 50¢.
- HA-345. Water resources of the Redwood River watershed, southwestern Minnesota, by W. A. Van Voast, L. A. Jerabek, and R. P. Novitzki. 1970. Lat 44°15' to 44°30', long 95°15' to 96°15'. Sheet 1, 41 by 43 inches; sheet 2, 41 by 42½ inches; and sheet 3, 40½ by 43 inches. \$1.75 per set.
- HA-348. Floods on Napa River at Napa, Calif., by J. T. Limerinos. 1970.

- Lat 38°12'30" to 38°22'30", long 122°15' to 122°22'30". Scale 1:24,000. Contour interval 20 feet. 34½ by 39 inches. 75¢.
- HA-350. Floods on Susquehanna River at Oneonta, N.Y., by Stephen Hladio. 1969. Lat 75° to 75°07'30", long 42°25'30" to 42°29'. Scale 1:20,000. Contour interval 20 feet. 35 inches. 75¢.
- HA-351. Water budget of upper Klamath Lake, southwestern Oregon, by L. L. Hubbard. 1970. Scale 1:250,000. 28 by 47 inches. 50¢.
- HA-352. Flood of June 1967 at Grand Island, Nebr., by F. B. Shaffer and K. J. Braun. 1970. Lat 40°52'30" to 41°, long 98°15' to 98°30'. Scale 1:24,000. Contour interval 5 feet. 38 by 48 inches. 75¢.
- HA-359. Floods in Upper Millstone River basin in vicinity of Hightstown, N.J., by G. M. Farlekas. 1969. Lat 40°15' to 40°21', long 74°26' to 74°37'30". Scale 1:24,000. Contour interval 20 feet. 33 by 49½ inches. 75¢.
- HA-360. Water resources of Wisconsin-Rock-Fox River basin, by R. D. Cotter, R. D. Hutchinson, E. L. Skinner, and D. A. Wentz. 1969 [1970]. Scale 1:1,000,000. Sheet 3, water-level contour interval 50 feet. Four sheets, each 32 by 41 inches. \$2 per set.
- HA-365. Water resources of southern Maryland, by J. M. Weigle, W. E. Webb, and R. A. Gardner. 1970. Vicinity of lat 38° to 38°45', long 76°15' to 77°15'. Sheet 1, piezometric-contour interval 10 feet; 31 by 46 inches. Sheet 2, water-table contour interval 100 feet; 31 by 39½ inches. Sheet 3, 30½ by 39½ inches. \$1.75 per set.
- HA-366. Saline ground-water resources of Ohio, by A. C. Sedam and R. B. Stein. 1970. Sheet 1, lat about 39° to 42°, long about 81° to about 84°; scale 1:500,000; piezometric-contour interval 100 feet; 32 by 38 inches. Sheet 2, 30 by 36 inches. \$1 per set.
- HA-369. Hydrologic significance of 1966 flood levels at Lake Jackson near Tallahassee, Fla., by G. H. Hughes. 1969. Lat about 30°28'30" to 30°36', long 84°16' to about 84°22'30". 34 by 45 inches. 75¢.
- HA-371. Flood of March 1968 on the Sudbury, Assabet, and Concord Rivers, Mass., by R. G. Petersen, G. K. Wood, and R. A. Gadoury. 1970. Two sheets, each 41 by 47 inches. \$1.25 per set.
- HA-374. Flood of April 1968 at Many, La., by A. S. Lowe. 1970. Lat 31°33' to 31°36', long 93°27' to 93°30'. 29 by 37 inches. 50¢.
- HA-376. Sediment yields of Wisconsin streams, by S. M. Hindall and R. F. Flint. 1970. 35½ by 36 inches. 75¢.
- HA-378. Floods in Beden Brook basin in Somerset and Mercer Counties, N.J., by T. G. Ross. 1970. Lat 40°22'30" to 40°30', long 74°37'30" to 74°47'30". Scale 1:24,000. Contour interval 20 feet. 32 by 43 inches. 75¢.
- HA-379. Reconnaissance bathymetry of Pyramid Lake, Washoe County, Nev., by E. E. Harris. 1970. Lat 39°45' to 40°15', long 119°15' to 119°45'. Scale 1:62,500. 29½ by 40 inches. 50¢.
- HA-393. Floods on Rock River in northern Rock County, Wis., by J. O. Shearman. 1970. Lat about 42°45' to 42°50', long 89° to 89°07'30". Scale 1:16,000. Contour interval 10 feet. 39½ by 41½ inches. 75¢.
- HA-395. Hurricane Camille tidal floods of August 1969 along the gulf coast, Logtown quadrangle, Mississippi, by K. V. Wilson and J. W. Hudson. 1969. Lat 30°15' to 30°22'30", long 89°30' to 89°37'30". Scale 1:24,000. Contour interval 5 feet. 30 by 33 inches. 75¢.
- HA-396. Hurricane Camille tidal floods of August 1969 along the gulf coast,

- English Lookout quadrangle, Louisiana-Mississippi, by K. V. Wilson and J. W. Hudson. 1969. Lat 30°07'30" to 30°15', long 89°30' to 89°37'30". Scale 1:24,000. Contour interval 5 feet. 30 by 33 inches. 75¢.
- HA-397. Hurricane Camille tidal floods of August 1969 along the gulf coast, Kiln quadrangle, Mississippi, by K. V. Wilson and J. W. Hudson. 1969. Lat 30°22'30" to 30°30', long 89°22'30" to 89°30'. Scale 1:24,000. Contour interval 10 feet. 30 by 33 inches. 75¢.
- HA-398. Hurricane Camille tidal floods of August 1969 along the gulf coast, Waveland-Grand Island Pass quadrangles, Mississippi, by K. V. Wilson and J. W. Hudson. 1969. Lat 30°10' to 30°22'30", long 89°22'30" to 89°30'. Scale 1:24,000. Contour interval 5 feet. 22 by 44 inches. 75¢.
- HA-399. Hurricane Camille tidal floods of August 1969 along the gulf coast, Vidalia quadrangle, Mississippi, by K. V. Wilson and J. W. Hudson. 1969. Lat 30°22'30" to 30°30', long 89°15' to 89°22'30". Scale 1:24,000. Contour interval 10 feet. 30 by 33 inches. 75¢.
- HA-400. Hurricane Camille tidal floods of August 1969 along the gulf coast, Bay St. Louis quadrangle, Mississippi, by K. V. Wilson and J. W. Hudson. 1969. Lat 30°15' to 30°22'30", long 89°15' to 89°22'30". Scale 1:24,000. Contour interval 5 feet. 30 by 33 inches. 75¢.
- HA-401. Hurricane Camille tidal floods of August 1969 along the gulf coast, Gulfport NW quadrangle, Mississippi, by K. V. Wilson and J. W. Hudson. 1969. Lat 30°22'30" to 30°30', long 89°07'30" to 89°15'. Scale 1:24,000. Contour interval 10 feet. 30 by 33 inches. 75¢.
- HA-402. Hurricane Camille tidal floods of August 1969 along the gulf coast, Pass Christian quadrangle, Mississippi, by K. V. Wilson and J. W. Hudson. 1969. Lat 30°15' to 30°22'30", long 89°07'30" to 89°15'. Scale 1:24,000. Contour interval 5 feet. 30 by 33 inches. 75¢.
- HA-403. Hurricane Camille tidal floods of August 1969 along the gulf coast, Gulfport North-South quadrangles, Mississippi, by K. V. Wilson and J. W. Hudson. 1969. Lat 30°20' to 30°30', long 89° to 89°07'30". Scale 1:24,000. Contour interval 5 feet. 33½ by 38 inches. 75¢.
- HA-404. Hurricane Camille tidal floods of August 1969 along the gulf coast, Biloxi quadrangle, Mississippi, by K. V. Wilson and J. W. Hudson. 1969. Lat 30°22'30" to 30°30', long 88°52'30" to 89°. Contour interval 5 feet. Scale 1:24,000. 30 by 33 inches. 75¢.
- HA-405. Hurricane Camille tidal floods of August 1969 along the gulf coast, Ocean Springs-Deer Island quadrangles, Mississippi, by K. V. Wilson and J. W. Hudson. 1969. Lat 30°20' to 30°30', long 88°45' to 88°52'30". Scale 1:24,000. Contour interval 5 feet. 33 by 38 inches. 75¢.
- HA-406. Hurricane Camille tidal floods of August 1969 along the gulf coast, Pascagoula quadrangle, Mississippi, by K. V. Wilson and J. W. Hudson. 1969. Lat 30°15' to 30°30', long 88°30' to 88°45'. Scale 1:62,500. Contour interval 10 feet. 25 by 27½ inches. 75¢.
- HA-407. Hurricane Camille tidal floods of August 1969 along the gulf coast, Kreole-Grand Bay SW quadrangles, Mississippi-Alabama, by K. V. Wilson and J. W. Hudson. 1969. Lat 30°18' to 30°30', long 88°22'30" to 88°30'. Scale 1:24,000. Contour interval 5 feet. 27½ by 44 inches. 75¢.
- HA-408. Hurricane Camille tidal floods of August 1969 along the gulf coast, Grand Bay quadrangle, Alabama, by K. V. Wilson and J. W. Hudson. 1969. Lat 30°22'30" to 30°30', long 88°15' to 88°22'30". Scale 1:24,000. Contour interval 5 feet. 30 by 33 inches. 75¢.

- HA-409. Flood of August 1969, Bon Air quadrangle, Richmond, Va., by E. M. Miller. 1969. Lat 37°30' to 37°37'30", long 77°30' to 77°37'30". Scale 1:24,000. Contour interval 10 feet. 30 by 30 inches. 75¢.
- HA-410. Flood of August 1969, Richmond quadrangle, Richmond, Va., by E. M. Miller. 1969. Lat 37°30' to 37°37'30", long 77°22'30" to 77°30'. Scale 1:24,000. Contour interval 10 feet. 30 by 30 inches. 75¢.
- HA-411. Flood of August 1969, Drewrys Bluff quadrangle, Richmond, Va., by E. M. Miller. 1969. Lat 37°22'30" to 37°30', long 77°22'30" to 77°30'. Scale 1:24,000. Contour interval 10 feet. 30 by 30 inches. 75¢.
- HA-412. Flood of August 1969 on Maury River at Buena Vista, Va., by G. S. Runner. 1969. 21 by 27½ inches. 50¢.
- HA-420. Water resources of the Great Smoky Mountains National Park, Tennessee and North Carolina, by W. M. McMaster and E. F. Hubbard. 1970. Lat 35°22'30" to 35°52'30", long 83° to 84°. Scale 1:125,000. Two sheets, each 37 by 46 inches. \$1.50 per set.
- HA-428. Ground-water resources of Nelson County, northeastern North Dakota, by J. S. Downey. 1970. Lat about 47°50' to about 48°10', long about 98° to 98°30'. Scale 1:126,720. 29 by 30 inches. \$1.

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- 62-63. Classes of land-surface form. 1967. Conterminous States and Hawaii. Adapted from a map of the conterminous States prepared by E. H. Hammond at the University of Wisconsin for the Association of American Geographers; map of Hawaii by E. H. Hammond, Syracuse University. Scale 1:7,500,000. 19 by 28 inches. \$1.50.
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70. Tectonic features, compiled by P. B. King, U.S. Geological Survey. 1967. Conterminous States and Hawaii. Scale 1:7,500,000. 19 by 28 inches. \$1.50. (Text and data for Alaska on sheet 69.)
- 74-75. Geology, compiled by D. M. Kinney, U.S. Geological Survey. 1967. Scale, conterminous States and Hawaii, 1:7,500,000; Alaska, 1:17,000,000. 19 by 28 inches. \$1.50.
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90. Potential natural vegetation, compiled by A. W. Küchler, University of Kansas. 1967. Conterminous States. Scale 1:7,500,000. 19 by 28 inches. \$1.50.
- 94-95. Mean monthly sunshine for selected stations, prepared by the U.S. Geological Survey from Environmental Data Service, Environmental Science Services Administration records for the period 1931-1960. 1965. Scale, conterminous States and Hawaii, 1:17,000,000; Alaska, 1:38,500,000. 19 by 28 inches. \$1.
97. Annual sunshine, evaporation, and solar radiation, adapted from maps compiled by the Environmental Science Services Administration. 1967. 19 by 28 inches. \$1.
106. Monthly average temperature, compiled by the U.S. Geological Survey from data provided by Environmental Science Services Administration for the period 1931-1960. 1968. Scale, conterminous States and Hawaii, 1:17,000,000; Alaska, 1:38,500,000. 19 by 28 inches. \$1.
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182. Major forest types. 1969. Scale, conterminous States and Hawaii, 1:7,500,000; Alaska, 1:17,000,000. 19 by 28 inches. \$1.50.
- 270-271. Population distribution, urban and rural, 1960, adapted from a 1:500,000-scale map prepared by the Bureau of the Census, printed in

1963. 1967. Scale, conterminous States and Hawaii, 1:7,500,000; Alaska, 1:17,000,000. 19 by 28 inches. \$1.
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TOPOGRAPHIC MAPS

NATIONAL TOPOGRAPHIC MAP SERIES

The National Topographic Map Series is a term used to designate collectively the several quadrangle map series of the United States, its Territories and possessions. Each individual series is intended to fulfill a specific type of map requirement and is classified generally according to its publication scale. Large-scale maps (1:20,000, 1:24,000, and 1:30,000) are especially suitable for densely settled areas and other areas where detailed map information is needed for engineering planning and similar purposes. Medium-scale maps (1:62,500 and 1:63,360) are considered adequate for general use where detailed planning is not contemplated. Small-scale maps (1:125,000, 1:250,000, and 1:1,000,000) cover large areas on a single sheet and are useful in planning statewide and nationwide projects. A few special maps are published on other scales. The contour interval differs according to the scale of the map and the relief of the country. Under the general plan adopted in 1882 for the production of a standard series of topographic maps, each map covers a quadrangle area bounded by lines of latitude and longitude, by which the location of any point on the surface of the earth is readily determined. Maps with these standard boundaries are usually referred to as quadrangle maps. These maps and their essential specifications as to size are given in the following table:

Series	Scale	1 inch equals	Quadrangle size (lat-long)	Quadrangle size (sq mi)	Paper size
United States:					
7½-minute -----	1:24,000	2,000 ft	7½' x 7½'	49-70	22 x 27
15-minute -----	1:62,500	0.98 mile	15' x 15'	197-282	23 x 27
1:63,360 (Alaska) -	1:63,360	1.00 mile	15' x 20'-30'	207-281	17 x 21
*30-minute -----	1:125,000	1.97 miles	30' x 30'	789-1,082	19 x 21
*1-degree -----	1:250,000	3.94 miles	1° x 1°	3,173-4,335	17 x 21
1:250,000 -----	1:250,000	3.94 miles	1° x 2°	6,346-8,669	22 x 29
*Reconnaissance					22 x 32
(Alaska) -----	1:250,000	3.94 miles	1° x 2°-3°	4,580-7,310	22 x 34
1:250,000 (Alaska) -----	1:250,000	3.94 miles	1° x 2°-3°	4,580-7,310	23 x 30
1:250,000 (Hawaii) -----	1:250,000	3.94 miles	1° x 1°30'-1°35'	6,730-7,104	23 x 30
1:1,000,000 -----	1:1,000,000	15.78 miles	4° x 6°	73,734-102,759	24 x 29
1:1,000,000 -----	1:1,000,000	15.78 miles	4° x 12°	78,960-122,066	27 x 27
Puerto Rico:					
7½-minute -----	1:20,000	0.31 mile	7½' x 7½'	71	26 x 30
Special -----	1:30,000	0.47 mile			31 x 36
Virgin Islands of the United States:					
1:24,000 -----	1:24,000	2,000 ft	7½' x 6'	56	20 x 27
7½-minute -----	1:24,000	2,000 ft	7½' x 7½'	71	23 x 27

Each quadrangle is designated by the name of a city, town, or prominent feature within it, and on the margins of the map are printed the names of adjoining quadrangle maps that have been published.

The maps are generally printed in three or more colors. The cultural features, such as roads, railroads, cities, and towns, as well as the lettering, are in black; the water features are in blue; and the features of relief, such as hills, mountains, and valleys, are shown by contour lines in brown. Additional information, such as woodland, is shown in green; highway classification, urban areas, and United States land lines are shown in red. Copies with the woodland overprint are supplied where available unless non-woodland copies are specifically requested. A booklet describing topographic maps and symbols is available on request.

INDEXES TO PUBLISHED TOPOGRAPHIC MAPS

Index maps of each State, and of Guam, American Samoa, Puerto Rico and the Virgin Islands of the United States, showing the areas covered by published topographic maps, may be obtained free on request to the Geological Survey, Washington, D.C. 20242. The text of the index map contains a brief description of the topographic quadrangle map series, special maps of areas within the State, and maps of the United States published at various scales. Also included are a list of map reference libraries where the published maps of the Geological Survey may be consulted, and a list of the local dealers from whom topographic maps may be purchased.

Further information concerning maps and related material may be obtained from the Map Information Office, Geological Survey, Washington, D.C. 20242.

SHADED-RELIEF MAPS

Certain topographic quadrangle maps showing physiographic features of special interest have been published in a shaded-relief edition. Also, selected maps of the Alaska 1:250,000 scale series, State maps, and maps of many national parks and monuments are published in a shaded-relief edition. The shading accentuates the physical features, thereby giving the map the appearance of a model of the surface. Maps for which a shaded-relief edition is available, and their prices, are listed on the indexes to topographic maps for each State. State maps and maps of national parks and monuments for which this edition has been published are listed on pages 356-358.

UNITED STATES 1:250,000 SCALE SERIES

The maps in this series are published generally in units of one degree in latitude by two to three degrees in longitude, and cover areas of from 4,580 to 8,669 square miles, depending upon the latitude of the individual areas. The contour interval ranges from 25 feet in areas where the terrain is flat to 500 feet in some mountainous areas. (The physical features are further accentuated on most of the Alaska maps in this series by the addition of shaded relief.) Copies with a woodland overprint are supplied where available unless maps without this information are specifically requested. The maps in this series are 75 cents each.

UNITED STATES 1:1,000,000 SCALE SERIES

The maps in this series are published in units of four degrees of latitude by six degrees of longitude (twelve degrees for Alaska). The area covered by each map ranges from 73,734 to 122,066 square miles, depending on the latitude.

Two editions of some of these maps are available. The initial edition of 14 maps was published as the United States contribution to the International Map of the World (IMW) and was prepared by the Geological Survey in accordance with standard specifications for that series. A second edition has been published based on a series of 1:1,000,000 scale maps compiled by the Army Map Service for military use. The maps of the second edition, distributed by the Geological Survey for civil use, usually contain more recent information than maps of the IMW series. Although they do not conform to the IMW specifications in all respects, the maps of the second edition will satisfy the same general purposes. In both editions, each map is numbered in accordance with the designation system adopted for the IMW series and is named for one of the principal localities or natural features within its area.

The maps show the principal cities and towns, railroads, and political boundaries in black; the roads in red; the water features in blue (water depths in blue on the IMW series only); and topographic features by brown contour lines and gradient tints. Contour intervals vary from 50 meters where the terrain is relatively flat to 500 meters in mountainous regions. The price of each map is \$1.

ALASKA

Areas of particular economic importance in Alaska are covered by topographic maps published at the scale of 1:63,360. Unlike the "15-minute" quadrangle series published for the other States, those of Alaska are published in units of either 15 minutes of latitude by 20 minutes of longitude, or 15 minutes of latitude by 30 minutes of longitude. These maps are 50 cents each.

HAWAII, AMERICAN SAMOA, AND GUAM

Maps at 1:24,000 scale have been published for American Samoa, Guam, and the major islands of Hawaii except for Niihau, Lanai, and Kahoolawe. One-sheet maps at 1:62,500 scale have been published for Guam and the islands of Oahu, Molokai, Maui, Kahoolawe, and Niihau.

PUERTO RICO

Puerto Rico has been completely mapped and the maps published at 1:20,000 scale, with the exception of the maps for Culebra and Vieques Islands which were published at 1:30,000 scale. One-sheet maps of Puerto Rico have been published in Spanish as follows: 1:120,000 scale, base, \$1, and contour, \$1.50; 1:240,000 scale, base, \$1, and contour and shaded relief, \$1.50 each.

VIRGIN ISLANDS OF THE UNITED STATES

The Virgin Islands of the United States have also been completely mapped and the maps have been published at 1:24,000 scale. Eight maps are required to cover the island group. The maps are 50 cents each.

ANTARCTICA RECONNAISSANCE SERIES

These are shaded-relief maps of certain areas in Antarctica, prepared from aerial photographs by the U.S. Navy. The maps, which are published at the scale of 1:250,000, carry a basic contour interval of 200 meters, and are 26 by 30 inches.

Shaded-relief maps at the scale of 1:500,000, showing coastal areas of Wilkes Land, are also available. They carry a basic contour interval of 1,000 feet, with supplemental 500-foot contours in some areas, and are 25 by 33 inches. Price of each Antarctic map is 75 cents.

AERIAL PHOTOGRAPHS

Aerial photographs are obtained by the Geological Survey in connection with its geologic and topographic mapping activities. These photographs range in scale from 1:15,000 to 1:85,000, the scale being governed by the contour interval, the nature of the terrain, and the type of stereoplotting equipment to be used.

Reproductions of these photographs at contact print size (9 x 9 inches) or enlargements up to four diameters (36 x 36 inches) are available at moderate prices. Puerto Rico, the Virgin Islands, and American Samoa have been photographed by various agencies of the Federal Government (see Status Maps, p. 352).

Aerial mosaics of some areas are prepared for special investigations. The areas for which they are available for sale to the public by various Federal agencies are shown on the status map described on p. 353.

GEODETIC CONTROL DIAGRAMS

The Geological Survey in cooperation with the National Ocean Survey is publishing a series of geodetic control diagrams on a planimetric base of the 1:250,000 scale maps. The diagrams show the location of leveling and transit-traverse lines, electronic distance measurements, and triangulation stations established by the two agencies. The work of the Geological Survey is shown in red and that of the National Ocean Survey in black. The price of each diagram is 50 cents.

LIST OF TOPOGRAPHIC MAPS

UNITED STATES

CONTOUR MAPS

Scale, 1:7,000,000. 50¢.

BASE MAPS

Scale, 1:2,500,000. 1961. 2 sheets. A new wall map showing State and county boundaries and names, State capitals and county seats in black, water features in blue. State boundaries are accentuated by green overprint. Available with or without a buff background to distinguish the contiguous United States from adjoining countries. Insets show Alaska and Hawaii, and the Canal Zone, Puerto Rico, and the Virgin Islands. \$2.00 per set.

Scale, 1:7,000,000. Shows State boundaries, principal cities, and lettering in black; water features in blue. 20 by 30 inches. 50¢.

Scale, 1:11,875,000. Shows State boundaries, principal cities, and lettering in black; water features in blue. 13 by 19 inches. 20¢.

Scale, 1:16,500,000. Shows State boundaries, principal cities, and lettering in black; water features in blue. 9½ by 13 inches. 10¢.

OUTLINE MAPS

[27 by 42 inches]

Scale, 1:5,000,000. Shows only State boundaries and names, in black. 50¢.

Scale, 1:5,000,000. Shows State boundaries and names in black; county boundaries and water features in blue. 75¢.

Scale, 1:5,000,000. State and county boundaries and names, in black; water features in blue. 75¢.

Scale, 1:5,000,000. State and county boundaries, names, and water features, in black. 75¢.

PHYSICAL DIVISIONS

Physical divisions of the United States. Scale, 1:7,000,000. 28 by 32 inches. 50¢.

STATUS MAPS

The following Geological Survey index maps, scale 1:5,000,000, are distributed without charge:

Status of topographic mapping and progress of operations in the United States (issued semiannually). Shows topographic 7½-minute and 15-minute quadrangle maps published and work underway by the Geological Survey and other Federal agencies.

Status of aerial photography in the United States (July 1970). Shows areas that have been photographed, as reported by seven Federal agencies and several commercial firms. The agencies holding the films are given only if reproductions are available for purchase. The text on back of map gives detailed explanation and the names and addresses of the reporting agencies and firms.

Status of aerial mosaics in the United States (Sept. 1970). Shows areas in the United States for which mosaics have been prepared from aerial photographs, scale of the negatives, dates of photography, and agencies from which reproductions may be obtained. The text on back of map gives detailed explanation and the names and addresses of the reporting agencies and firms.

RIVER SURVEYS

River-survey maps show course and fall of the stream, configuration of the valley floor and adjacent slopes, and location of towns, scattered houses, irrigation ditches, roads, and other cultural features.

If the valley is less than a mile wide the topography is shown to 100 feet or more above the water surface; if the valley is flat and wide, topography is shown for a strip of 1 to 2 miles. Potential reservoir sites are mapped to the probable flow line of the reservoir. The usual scale is 1:21,680 or 1:24,000, and the normal contour interval is 20 feet on land and 5 feet on the water surface. Many maps include proposed dam sites on a larger scale and a profile of the stream.

Most of the maps are printed in black and white, some show the contours in brown, and a few show the streams in blue. The standard-size sheet is 22 by 28 inches.

As these river-survey maps were prepared largely in connection with the classification of the public lands, most of them show areas in the Western States. An index of river surveys is published as Water-Supply Paper 995.

Published river-survey maps, except those out of print, are shown on the State indexes to published topographic maps. The price is 50 cents per sheet.

STATE MAPS

State maps include base, topographic, and shaded-relief editions. Small base maps at a scale of 1:1,000,000 are printed in black and white only. Larger base maps at a scale of 1:500,000 are printed in black and white except that drainage is shown in blue. Base maps show county boundaries, cities, towns, villages, most smaller settlements, railroads, and water features. Base maps do not show highways or contours. Topographic maps at a scale of 1:500,000 are overprints of base maps showing highways, contours, national parks, forests, monuments, wildlife refuges, and Indian reservations. Shaded-relief maps at scales of 1:1,000,000 and 1:500,000 are overprints of base maps showing only county boundaries, larger cities, and water features; the physical features are brought out by shaded relief in color or shades of brown on the conventional plan of assumed diagonal illumination

from the northwest. Contours are not shown on shaded-relief maps. Maps of Alaska, Connecticut, and Hawaii at other scales are listed in the notes at the end of the following table:

State maps

	Compila- tion date	Scale 1:1,000,000			Scale 1:500,000				
		Base	Shaded relief	Overall size, in inches	Base	Base with high- ways	Topo- graphic	Shaded relief	Overall size, in inches
Alabama	1964	\$0.50	---	16x24	\$1.00	---	\$2.00	\$2.00	32x46
Arizona	1955	.50	---	24x29	1.00	---	2.00	2.00	47x56
Arkansas	1965	.50	---	18x21	1.00	---	2.00	2.00	35x39
California	1968	.50	\$1.00	42x48	---	---	---	---	---
North half	1968	---	---	---	1.00	---	2.00	---	46x64
South half	1968	---	---	---	1.00	---	2.00	---	46x64
Colorado	1954	.50	---	22x28	1.00	---	2.00	2.00	42x53
Florida	1966	.50	---	23x32	1.00	---	2.00	---	44x62
Georgia	1963	.50	---	21x23	1.00	---	2.00	2.00	39x45
Idaho	1964	.50	---	---	1.00	---	2.00	2.00	44x66
Illinois	1948	.50	---	17x27	1.00	---	2.00	---	32x53
Indiana	1950	.50	---	14x21	1.00	2.00	---	---	27x42
Iowa	1965	.50	---	17x23	1.00	---	2.00	---	33x46
Kansas	1961	.50	---	17x29	1.00	---	2.00	---	32x56
Kentucky	1956	.50	---	15x30	1.00	---	2.00	2.00	27x57
Louisiana	1966	.50	---	20x22	1.00	---	2.00	---	40x44
Maine	1958	.50	---	16x22	1.00	---	2.00	2.00	30x44
Maryland, Delaware, and District of Columbia	1948	.50	---	12x19	.75	---	1.50	1.50	23x36
Massachusetts, Rhode Island, and Connecticut	1948	.50	---	13x18	.75	---	1.50	1.50	24x30
Michigan	1970	.75	---	28x34	1.00	---	2.00	---	56x64
Minnesota	1963	.50	---	25x29	1.00	---	2.00	---	49x56
Mississippi	1948	.50	---	16x25	1.00	2.00	---	---	31x52
Missouri	1950	.50	---	24x26	1.00	---	2.00	2.00	47x54
Montana	1965	.50	1.00	24x40	2.00	---	4.00	---	47x79
Nebraska	1962	.50	---	17x31	1.00	---	2.00	---	32x62
Nevada	1962	.50	---	23x34	1.00	---	2.00	2.00	45x65
New Hampshire and Vermont	1950	.50	---	12x15	.75	---	1.50	1.50	22x28
New Jersey	1948	.50	---	12x15	.75	---	1.50	1.50	23x28
New Mexico	1967	.50	---	25x29	1.00	---	2.00	2.00	49x56
New York	1953	.50	---	23x29	1.00	---	2.00	2.00	44x58
North Carolina	1957	.50	---	14x33	1.00	---	2.00	2.00	29x66
North Dakota	1961	.50	---	18x25	1.00	---	2.00	2.00	33x50
Ohio	1951	.50	---	18x20	1.00	---	2.00	2.00	34x37
Oklahoma	1948	.50	---	18x29	1.00	2.00	---	---	35x54
Oregon	1965	.50	---	22x28	1.00	---	2.00	2.00	44x56
Pennsylvania	1953	.50	---	15x23	1.00	---	2.00	2.00	29x44
South Carolina	1970	.50	---	17x21	1.00	---	2.00	---	32x40
South Dakota	1961	.50	---	20x27	1.00	---	2.00	2.00	39x53
Tennessee	1957	.50	---	11x35	1.00	---	2.00	2.00	19x66
Texas	1962	.50	1.50	42x53	2.50	---	5.00	---	82x102
Utah	1958	.50	---	20x25	1.00	---	2.00	2.00	39x48
Virginia	1955	.50	---	16x32	1.00	---	2.00	2.00	30x64

State maps—Continued

	Compila- tion date	Scale 1:1,000,000			Scale 1:500,000				
		Base	Shaded relief	Overall size, in inches	Base	Base with high- ways	Topo- graphic	Shaded relief	Overall size, in inches
Washington	1961	.50	----	19x27	1.00	----	2.00	2.00	37x52
West Virginia	1963	.50	----	18x20	1.00	----	2.00	2.00	36x40
Wisconsin	1966	.50	----	23x24	1.00	----	2.00	----	42x46
Wyoming	1964	.50	----	21x26	1.00	----	2.00	2.00	41x52

¹ Set of two maps.² Set of four maps.*Notes. —*

Alaska maps.—Four, as follows:

Map A, base; scale 1:5,000,000; 15x25 inches; 50¢

Map B, scale 1:1,584,000; two sheets, each 36x51 inches. Base, \$1.50; contour, contour interval 1,000 feet, \$3.

Map C, highways; scale 1:12,000,000; 10x15 inches. Base, 10¢.

Map E, scale 1:2,500,000; 34x48 inches. Base, \$1; shaded relief, \$2.

Connecticut maps.—Scale 1:125,000, 45x56 inches. Base, \$1; topographic, available with or without woodland, \$2 for each; shaded relief, \$2.

Hawaii maps.—In preparation.

METROPOLITAN AREA MAPS

Metropolitan area maps are composed of several quadrangle maps of the National Topographic Map Series covering selected cities and adjacent areas. Except as noted, they are published at the scale of 1:24,000. Each map is printed in five colors and shows all features that appear on the standard quadrangle maps. The date shown is the latest survey date of the quadrangles included in the area map. Indexes to topographic maps published for each State, Puerto Rico, and the Virgin Islands indicate the area included in the metropolitan maps.

The prices for metropolitan area maps listed in "Publications of the Geological Survey, 1879-1961" have been changed as follows: Maps which were 30¢ are now 50¢; \$1, now \$1.50; and \$1.50, now \$2. The following four maps, listed in the earlier "Publications" as being in print, are now out of print (also, new maps given as revised editions supersede earlier maps having the same titles):

Denver and vicinity

Los Angeles and vicinity (West)

Los Angeles and vicinity (East)

San Francisco and vicinity

Anchorage and vicinity, Alaska. 1962. 45 by 56 inches. \$2.

Baton Rouge and vicinity, Louisiana, 1963. 37 by 48 inches. \$2. (Revised edition.)

Boston and vicinity, Massachusetts. 1958. 50 by 72 inches. \$2.

Chicago and vicinity, Illinois, 1963. Sheet 1 (Evanston). 48 by 72 inches. \$2. (Revised edition.)

Chicago and vicinity, Illinois-Indiana, 1965. Sheet 2 (Chicago Loop). 48 by 72 inches. \$2. (Revised edition.)

Chicago and vicinity, Illinois-Indiana, 1965. Sheet 3 (Blue Island). 48 by 72 inches. \$2. (Revised edition.)

Cincinnati and vicinity, Ohio-Kentucky. 1961. 50 by 72 inches. \$2. (Revised edition.)

Cleveland and vicinity, Ohio. 1963. 50 by 72 inches. \$2. (Revised edition.)
 Gary and vicinity, Indiana. 1960. 36 by 46 inches. \$1.50. (Revised edition.)
 Indianapolis and vicinity, Indiana. 1959. 45 by 70 inches. \$2. (Revised edition, covering a larger area.)
 Little Rock and vicinity, Arkansas. 1961. 42 by 52 inches. \$1.50 (Revised edition, covering a larger area.)
 Milwaukee and vicinity, Wisconsin. 1959. 44 by 68 inches. \$2.
 Pittsburgh and vicinity, Pennsylvania. 1960. 50 by 69 inches. \$2.
 Portland, Vancouver, and vicinity, Oregon-Washington. 1961. 49½ by 70 inches. \$2. (Revised edition.)
 Salt Lake City and vicinity, Utah. 1963. 39½ by 55½ inches. \$2. (Revised edition, covering a larger area.)
 San Juan and vicinity, Puerto Rico. 1964. Scale 1:20,000. 69 by 48 inches. \$2. (Revised edition, covering a larger area.)
 Spokane and vicinity, Washington. 1963. 36 by 40 inches. \$1.50. (Revised edition.)
 Tacoma and vicinity, Washington. 1961. 51 by 48 inches. \$2.
 Washington and vicinity, District of Columbia-Maryland, and Virginia. 1965. 67 by 50 inches. \$2. (Revised edition.)
 Wichita and vicinity, Kansas. 1961. 49 by 62 inches. \$1.

SPECIAL TOPOGRAPHIC MAPS

The prices for many of the special topographic maps and special sets listed in "Publications of the Geological Survey, 1879-1961" have been changed. The prices of specific maps can be obtained from the State indexes to published topographic maps. The following special maps, listed on pages 252-255 of the earlier "Publications" as being in print, are now out of print (some have been superseded by more recent publications):

Airlie	Colorado National	Joplin
Asher	Monument	Kauai
Aspen	Dahlonaga	Kern River
Bakersfield	Delaware Water Gap	Kittitas
Barnes Bridge	Denver Mountain Parks	Kotsina-Kuskulana
Big Bar	Fossil	La Barge
Bingham	Frisco	Leadville (both maps)
Bisbee	Genesee	Lincoln National Forest
Bonanza	Gilmore	Lordsburg
Breckenridge	Gold Hill	Marysville Buttes
Bridge Canyon	Goldfield	Maui
Bright Angel	Goodsprings	Mesa Verde
Butte	Grand Canyon	Mississippi River Valley
Camp Dodge	(1902 ed.)	Mono Lake
Camp Grant	Great Smoky Mountains	Mount Baker
Camp Albert L. Mills	(1949 shaded-relief ed.)	Mount Hood
Camp Taylor	Grimes Pass	Needles
Central City	Howth	Niagara (both maps)
Charlottesville	Idaho Springs	Northwest part of
Chickamauga	Independence Pass	Prague
Chisos Mountains	Indio	Omaha
Coeur d'Alene district	Iniskin-Chinitna	Parker Dam

Petrified Forest	San Antonio	Taylorsville
Picture Gorge	Seattle	Tennessee River Basin
Platinum	Sequoia and Kings	(both maps)
Platoro	Canyon	Tintic (both maps)
Ray	Shiloh	Tombstone (both maps)
Rico (both maps)	Silver Plume	Tonopah
Rock Run	Smelterville	Umiat
Rockwall	Snowmass Mountain	Yellowstone
Rocky Mountain	Sugarloaf-St. Kevin	Yosemite National Park
Sacramento Valley	Summitville	Yosemite Valley
Saguaro	Tacoma	(shaded-relief ed.)
Salton Sink	Taos	

Apollo 6 photomaps of the west-east corridor from the Pacific Ocean to northern Louisiana. 1970. Approximate scale 1:500,000. Four sheets, each 19 by 51 inches. \$1.50 per set.

Appalachian Region, as designated by the Appalachian Regional Commission. 1965. Covers most of eastern one-third of United States, showing State and county boundaries and names. State capitals and county seats in black, water features in blue. Buff overprint indicates Appalachian Region, with Region and county lines in red. Overprints show National Parks and Monuments, National Forests, National Wildlife Refuges, Indian Reservations, and major cities. Scale 1:2,500,000. 26 by 31 inches. \$1. (Revised 1967.)

Badlands National Monument and vicinity, South Dakota. 1960. Shaded-relief and contour editions. Shows the Badlands National Monument and the adjacent areas in Jackson, Pennington, Shannon, and Washabaugh Counties. Lat 43°40' to 43°56', long 101°52'30" to 102°37'30". Scale 1:62,500. Contour interval 40 feet. 24 by 48 inches. \$1.

Canyonlands National Park and vicinity, Utah. 1969. Lat 37°52'30" to 38°37'30", long 109°30' to 110°15'. Scale 1:62,500. Contour interval 80 feet, with 40-foot supplementals. Sheet 46 by 61 inches. \$1.50.

Glen Canyon Recreation Area, Utah, Arizona. 1969. Shows recreation area and three insets: Page, Wahweap, and the Rainbow Bridge National Monument areas. Scale 1:250,000. Contour interval 200 feet with 100-foot supplementals. 32 by 36 inches. \$1.

Grand Canyon National Park and vicinity, Arizona. 1962. Lat 36° to 36°28', long 111°45', to 112°45'. Scale 1:62,500. Contour interval 80 feet, with 40-foot supplementals. 60 by 38 inches. \$1.50. (Replaces 1923 1:48,000-scale maps.)

Great Smoky Mountains National Park and vicinity, Tennessee-North Carolina. 1961. Shaded-relief edition. Lat 35°15' to 35°52'30", long 83° to 83°07'30". Scale 1:125,000. Contour interval 100 feet. 28 by 38 inches. 75¢.

Guam (Island), Mariana Islands. 1953. Lat 13°13' to 13°40' N., long 144°36' to 144°58' E. Scale 1:62,500. Contour interval 20 meters with 10-meter supplementals. 29 by 35 inches. 50¢.

Isle Royale National Park, Mich. 1970. Shaded-relief and contour editions. Lat 47°47'30" to 48°17'30", long 88°15' to 89°20'. Scale 1:62,500. Contour interval 40 feet with 20-foot supplementals. 39 by 54 inches. \$1.50.

- Manua Islands, American Samoa. 1963. Lat 14°09' to 14°17'30" S., long 169°24' to 169°41'30" W. Scale 1:24,000. Contour interval 40 feet. 30 by 56 inches. 50¢.
- Maui (Island), Hawaii. 1957. Shaded-relief and contour editions. Lat 20°32'30" to 21°03', long 155°57'30" to 156°43'. Scale 1:62,500. Contour interval 80 feet, with 40-foot supplementals. 39 by 53½ inches. \$1. (Revised contour edition.)
- Mesa Verde National Park, Colo. 1967. Lat 37°09' to 37°22', long 108°16'30" to 108°36'30". Scale 1:24,000. Contour interval 40 feet. 46 by 54 inches. \$1.50.
- Nisqually Glacier, Wash. 1961. Plan of Nisqually Glacier, Mt. Rainier National Park. Scale 1:12,000. Contour intervals 20 and 40 feet. 22 by 27 inches. 30¢. (Replaces a 1946 1:9,600-scale map.)
- Nisqually Glacier, Wash. 1966. Plan of Nisqually Glacier, Mt. Rainier National Park. Scale 1:12,000. Contour interval 20 feet. 22 by 29 inches. 50¢.
- Olympic National Park and vicinity. 1957. Shaded-relief and contour editions. Lat 47°27'30" to 48°12', long 123°06' to 124°50'. Scale 1:125,000. Contour interval 200 feet. 32 by 45 inches. 75¢ per sheet.
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ABBREVIATIONS USED

B	Bulletin	OC	Oil and Gas Chart
C	Circular	OM	Oil and Gas Map
GP	Geophysical Investigations Map	P	Professional Paper
GQ	Geologic Quadrangle Map	p.	Page number of publications having no series designation
HA	Hydrologic Investigations Atlas	PB	Report available only through the National Technical Information Service
I	Miscellaneous Geologic Investigations Map	TI	Topographic Instructions
MF	Mineral Investigations Field Studies Map	TWI	Techniques of Water Resources Investigations
MR	Mineral Investigations Resource Map	W	Water-Supply Paper
NA	National Atlas		

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